

FIGURE 1

100

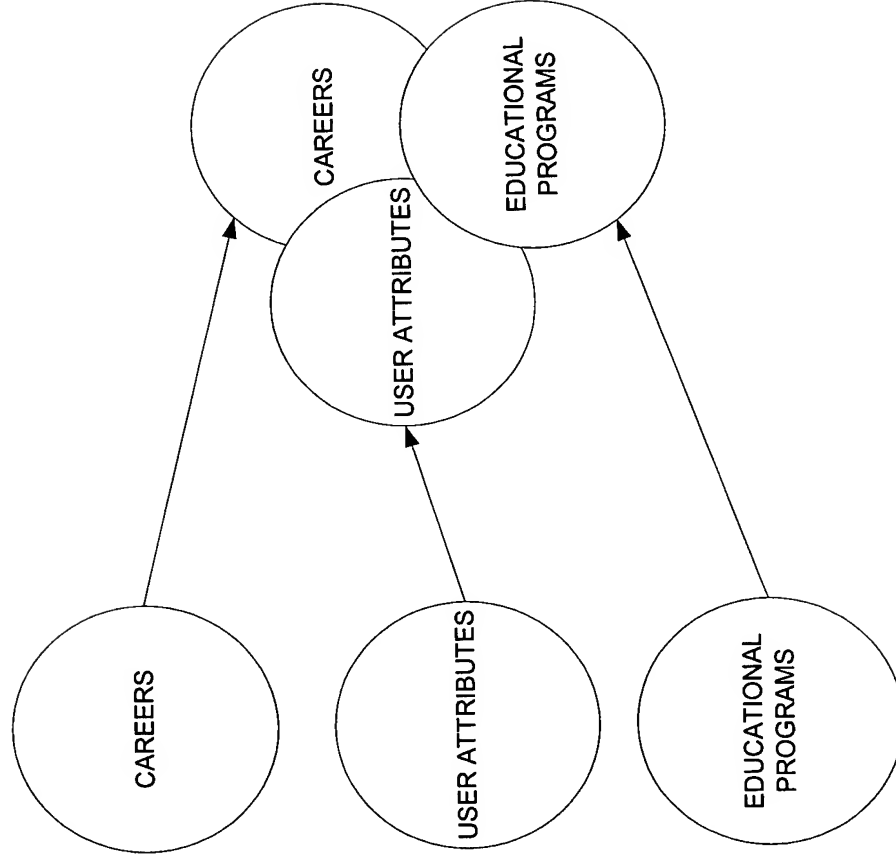
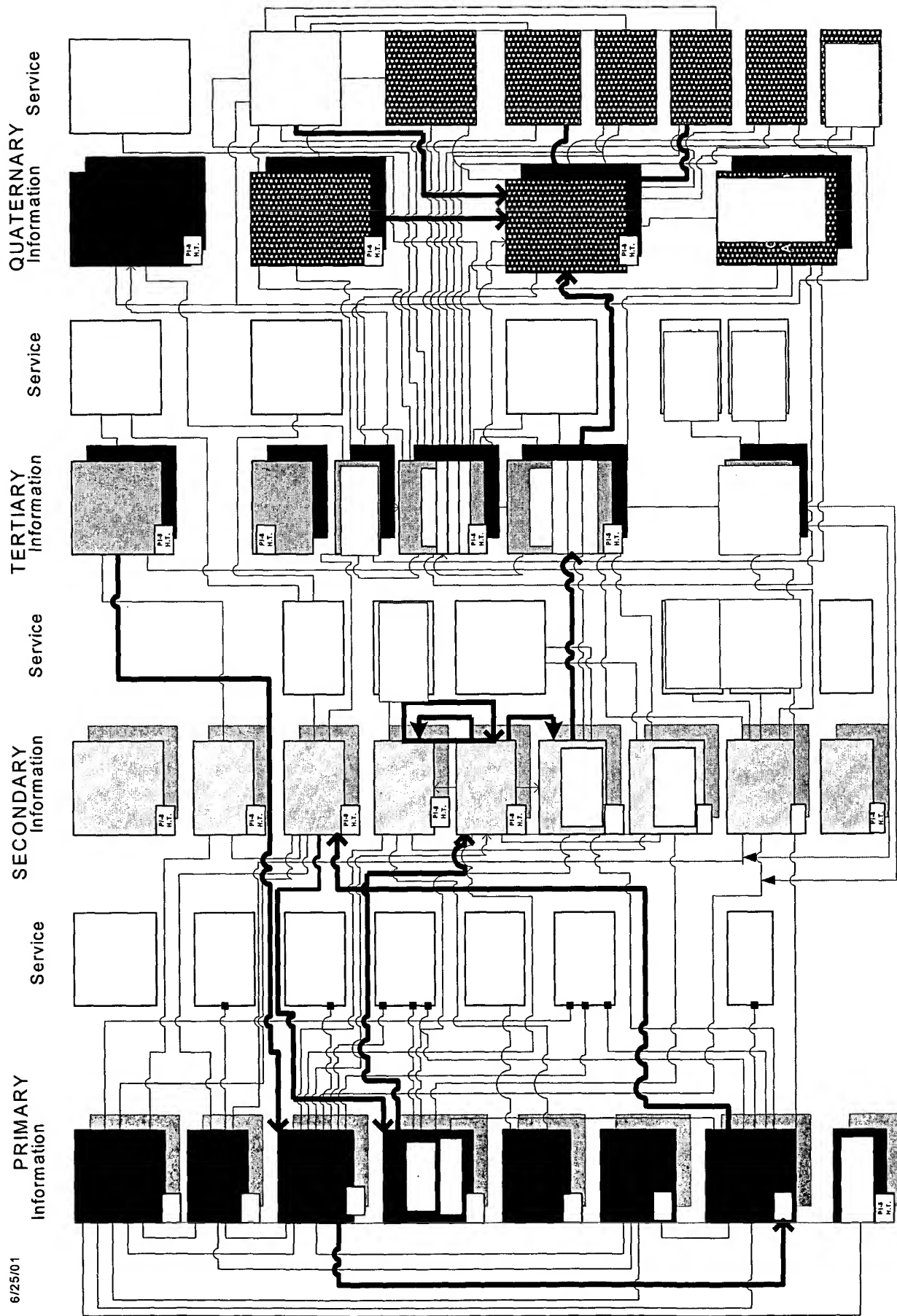
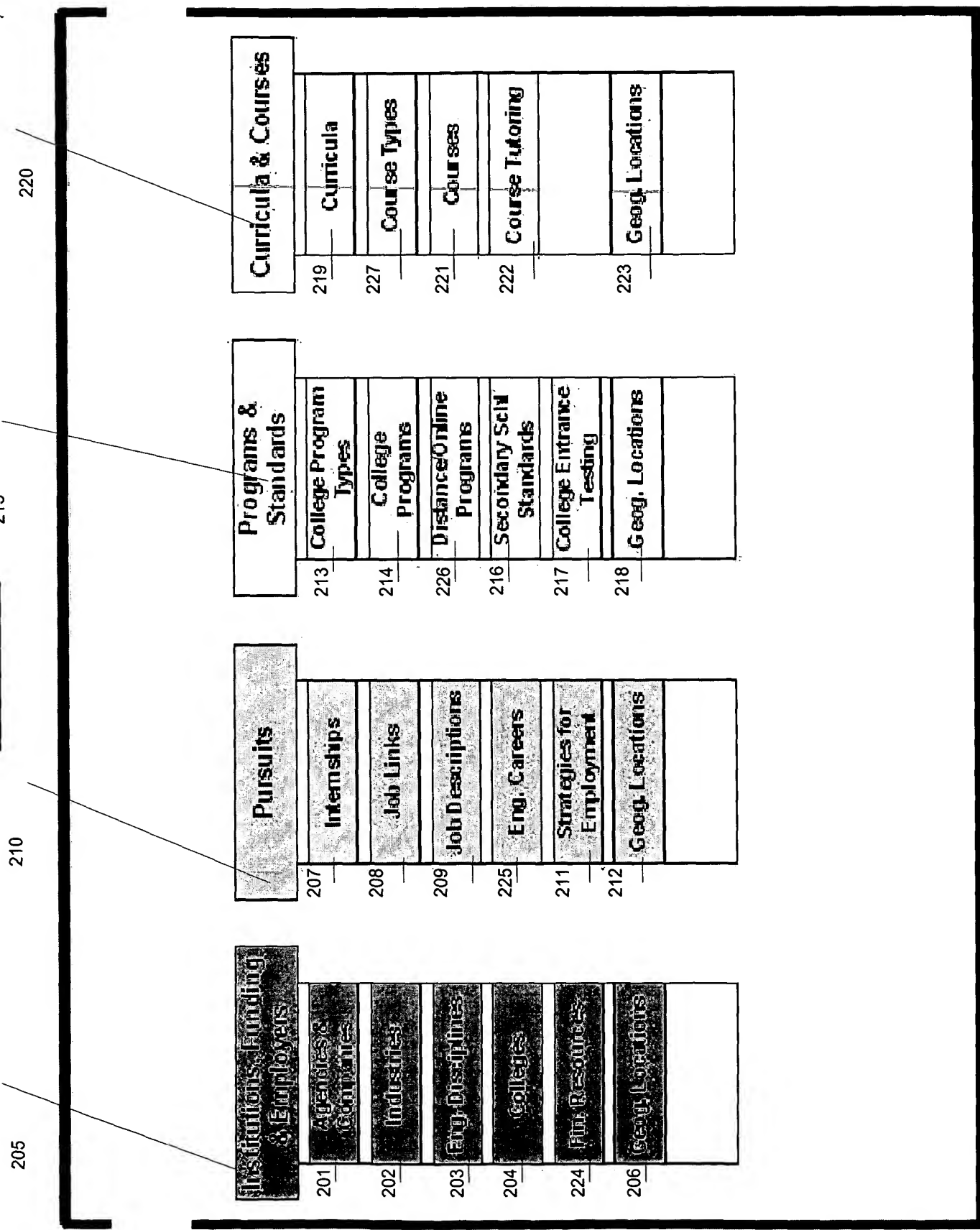


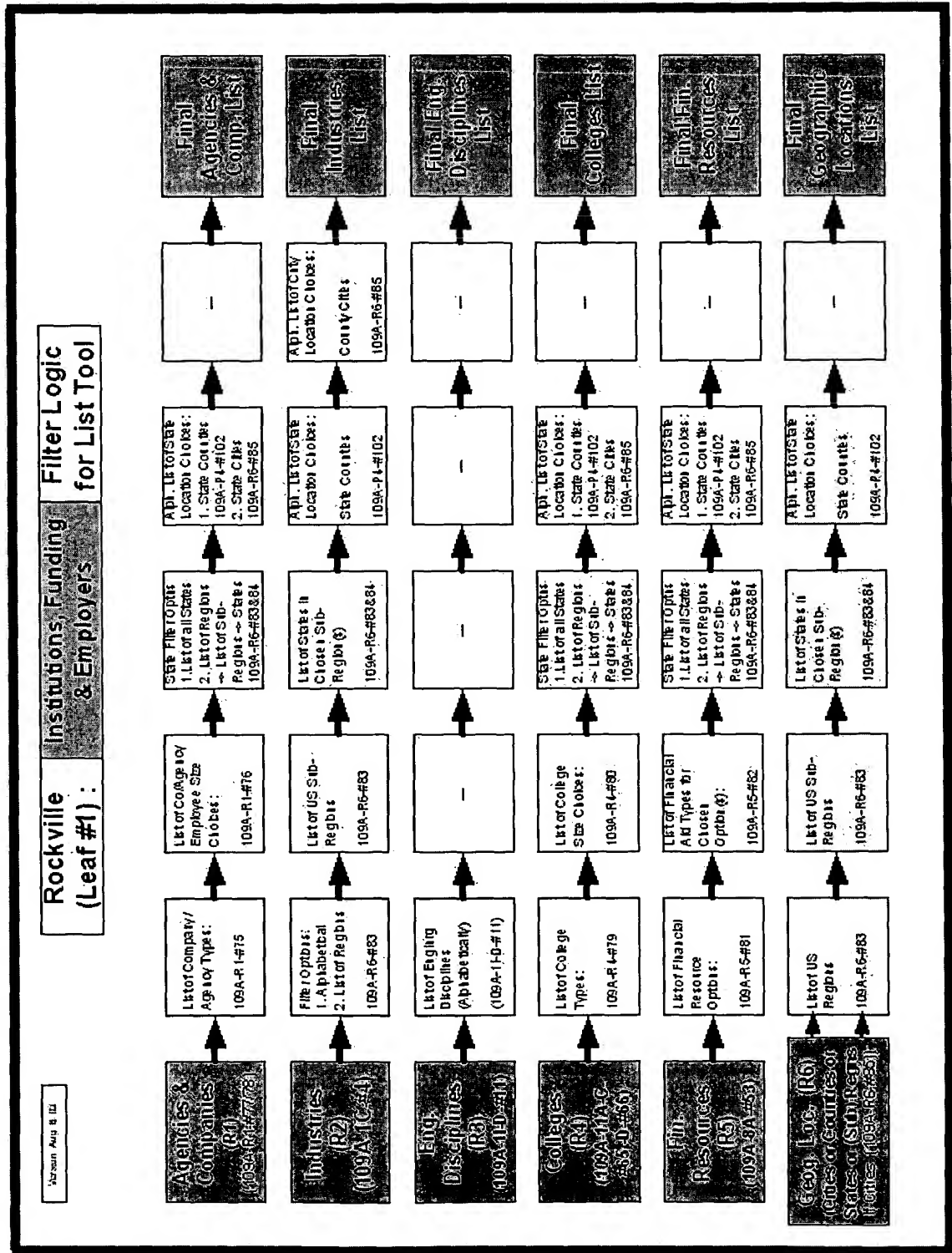
FIGURE 2A



**FIGURE 2B**



**FIGURE 2C**





על פי חוקי מדינת ישראל

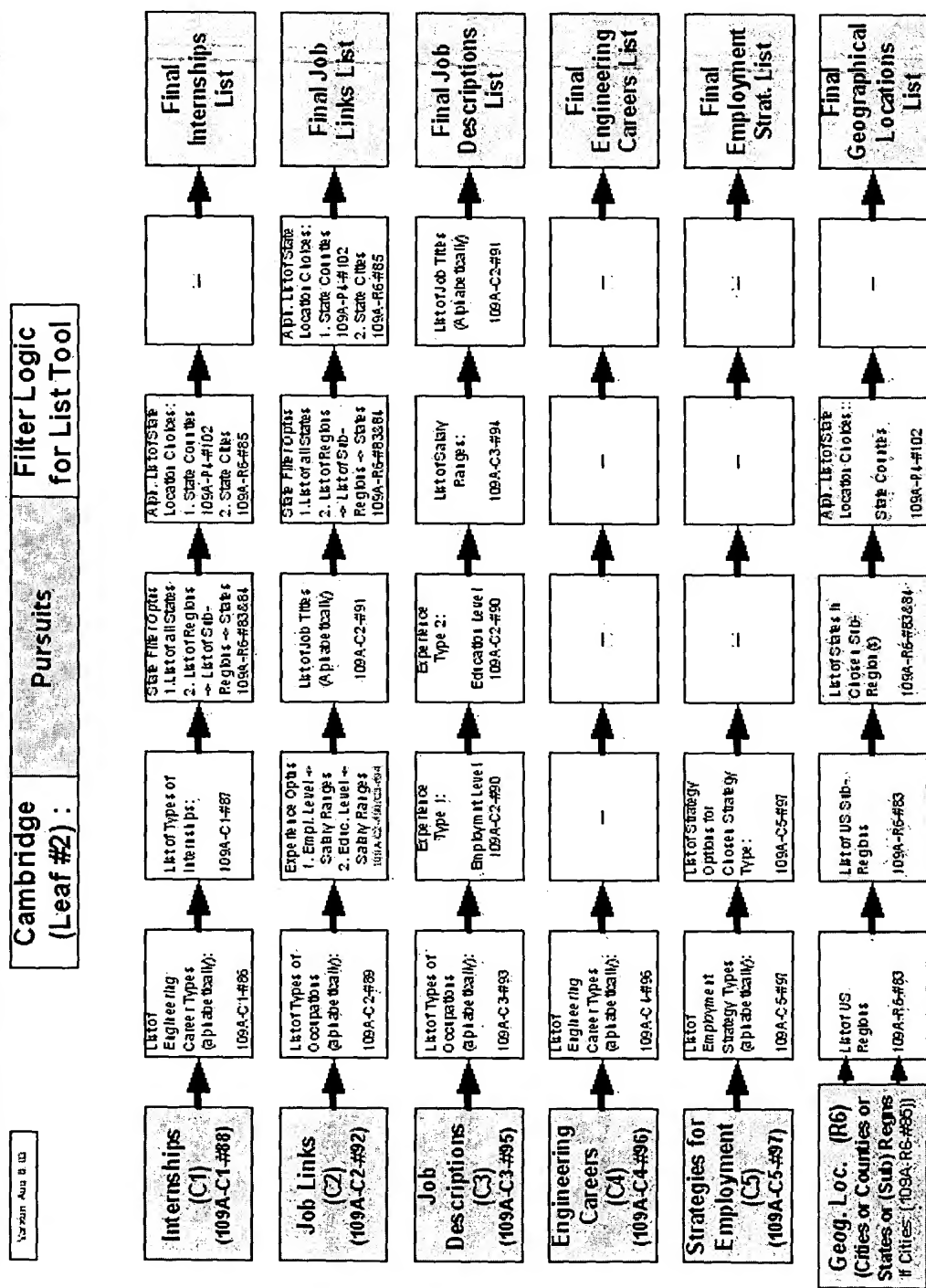
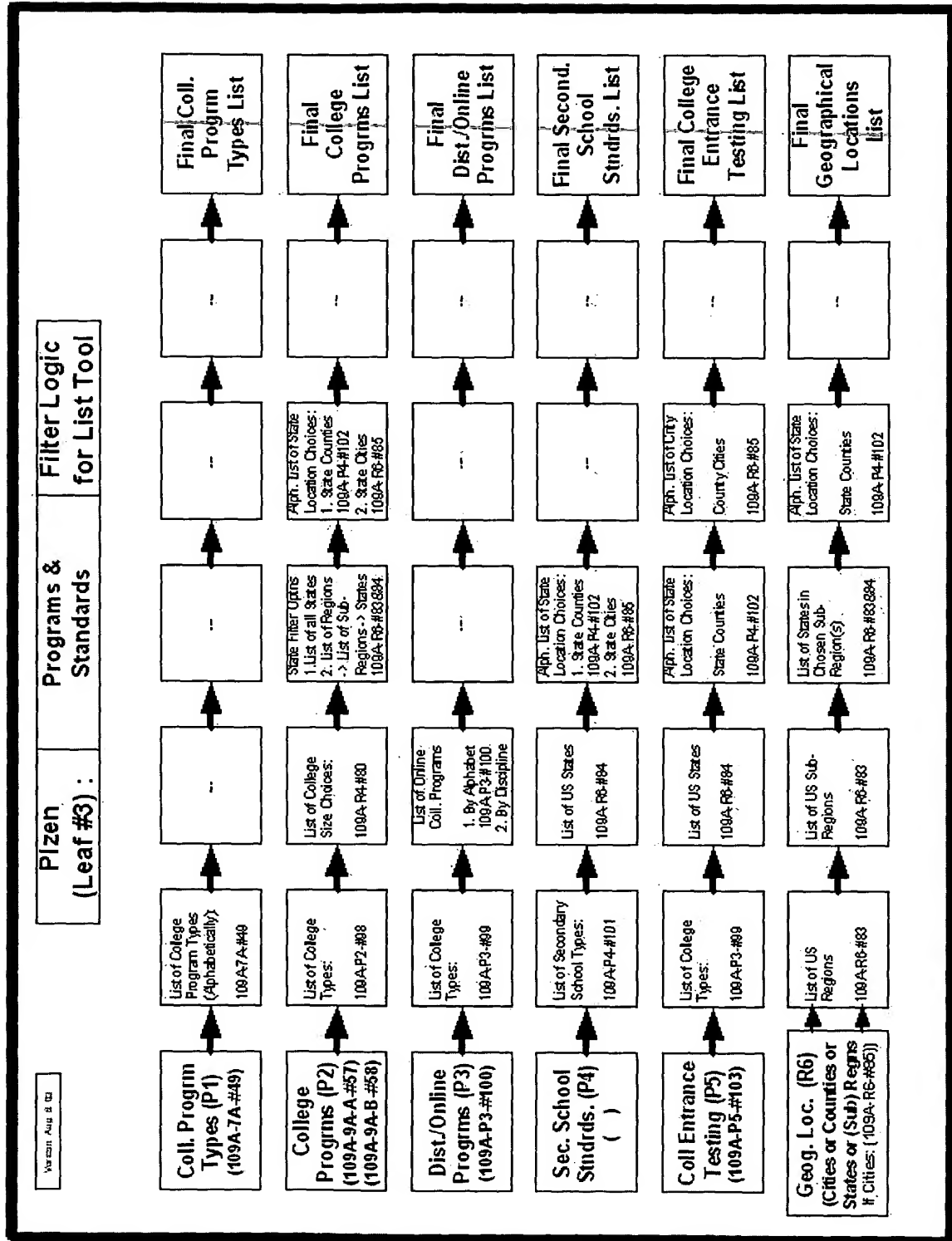


FIGURE 2E

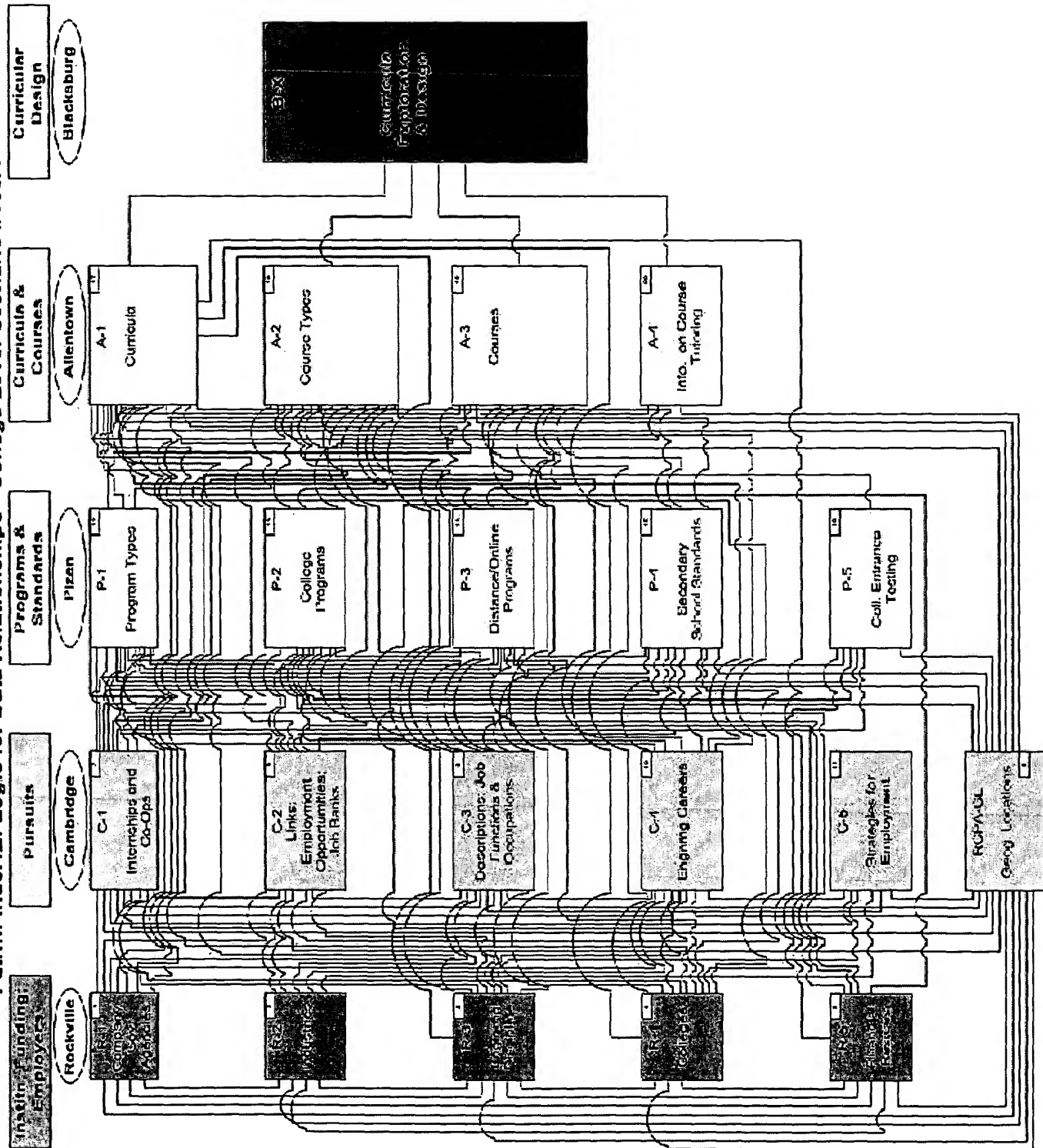


[illegible]

# FIGURE 2G

PathFinder:E: Logic for Data Relationships - College Level-Scenario #109A

7/1/03



**FIGURE 2H**

Inter-Module Data Relationship Connections						
Module Number	Module Code	Module Designation	List Available?	Content Available for List Item(s)?	Other Modules Data-Connected to Current Module	Total # of Relational Connections
1	R1	Agencies & Companies			R2,R3,R5,RCPA-GL,C1,C2,C3,C4,P1,A1,A2	11
2	R2	Industries			R1,R3,R5,RCPA-GL,C1,C2,C3,C4,C5	9
3	R3	Engineering Disciplines			R1,R2,R4,R5,RCPA-GL,C1,C2,C3,C4,C5,A1,A2,A3	13
4	R4	Colleges			R3,R5,RCPA-GL,C1,C3,P1,P2,P3,P4,P5,A1,A2	12
5	R5	Financial Resources			R1,R2,R3,R4,RCPA-GL,P1,P2,P3,A1	9
6	RCPA-GL	Geographical Locations			R1,R2,R3,R4,R5,C1,C2,C3,C4,C5,P1,P2,P4,A1,A2,A3,A4	17
7	C1	Internships			R1,R2,R3,R4,RCPA-GL,C2,C3,C4,C5,P1,P2,P3,P4,P5,A1,A2,A3	17
8	C2	Job Links			R1,R2,R3,RCPA-GL,C1,C3,C4,P1,P2,P3,P4,A1,A2,A3	14
9	C3	Job Descriptions			R1,R2,R3,R4,RCPA-GL,C1,C2,C4,C5,P1,P2,P3,P4,A1,A2,A3	16
10	C4	Engineering Careers			R1,R2,R3,RCPA-GL,C1,C2,C3,C5,P1,P2,P3,P4,A1,A2,A3	15
11	C5	Strategies for Employment			R2,R3,RCPA-GL,C1,C3,C4	6
12	P1	College Program Types			R1,R4,R5,RCPA-GL,C1,C2,C3,C4,P2,P3,P4,P5,A1,A2,A3	15
13	P2	College Programs			R4,R5,RCPA-GL,C1,C2,C3,C4,P1,P3,P4,P5,A1,A2,A3	14
14	P3	Distance/Online Programs			R4,R5,C1,C2,C3,C4,P1,P2,P4,P5,A1,A2,A3	13
15	P4	Secondary School Standards			R4,RCPA-GL,C1,C2,C3,C4,P1,P2,P3,A1,A2,A3	12
16	P5	College Entrance Testing			R4,C1,P1,P2,P3,A1	6
17	A1	Curricula			R1,R3,R4,R5,RCPA-GL,C1,C2,C3,C4,P1,P2,P3,P4,P5,A2,A3	16
18	A2	Course Types			R1,R3,R4,RCPA-GL,C1,C2,C3,C4,P1,P2,P3,P4,A1,A3,A4	15
19	A3	Courses			R3,RCPA-GL,C1,C2,C3,C4,P1,P2,P3,P4,A1,A2,A4	13
20	A4	Course Tutoring			RCPA-GL,A2,A3	3
					TOTAL # OF CONNECTION NODES	246
					TOTAL # OF DISTINCT 2-WAY CONNECTIONS (= # OF DB TABLES)	123

**FIGURE 21**

**Example of Navigation Using Filtering Criteria**  
**Example of Orbital Navigation**

**Used in  
List Tool**

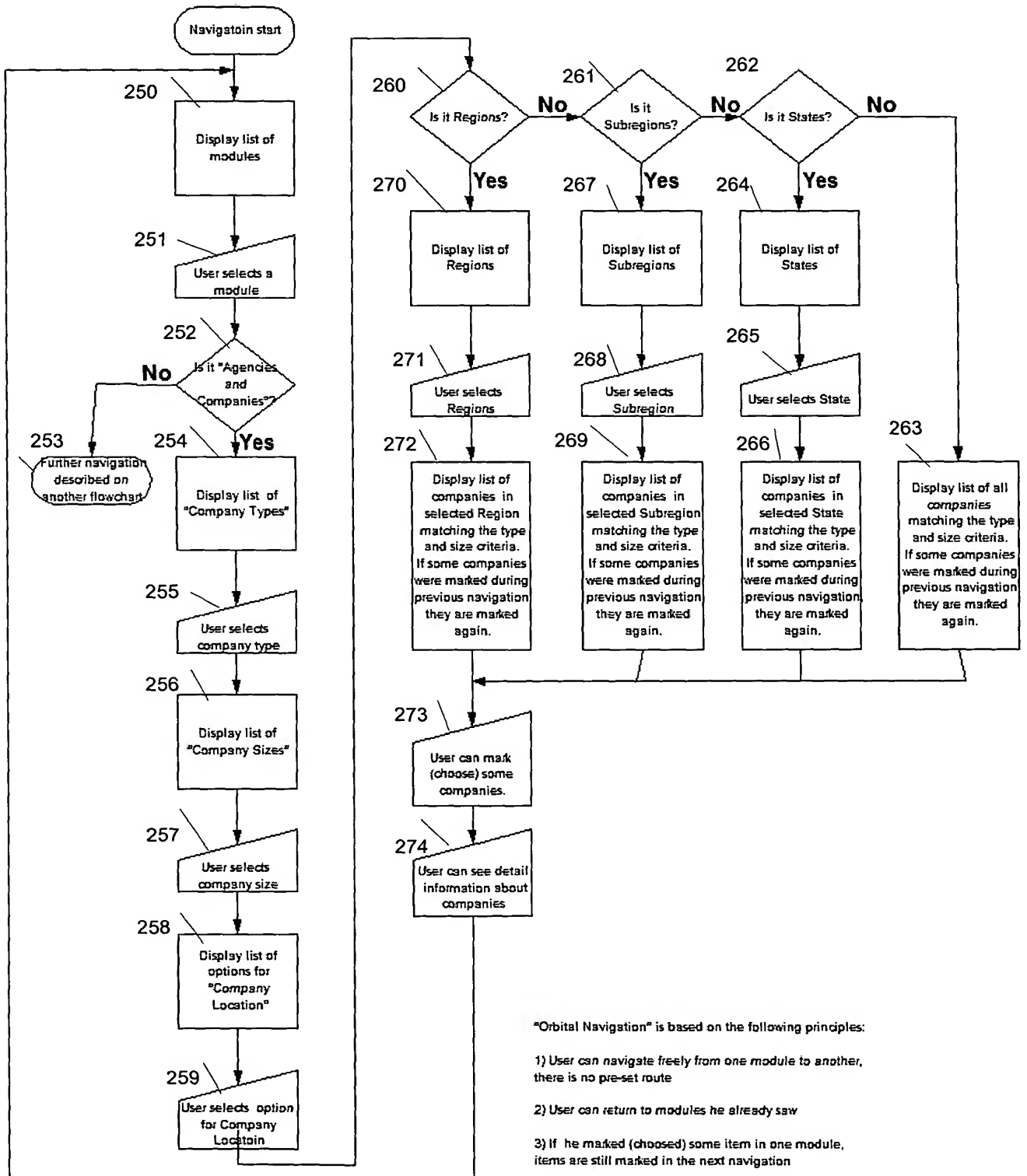
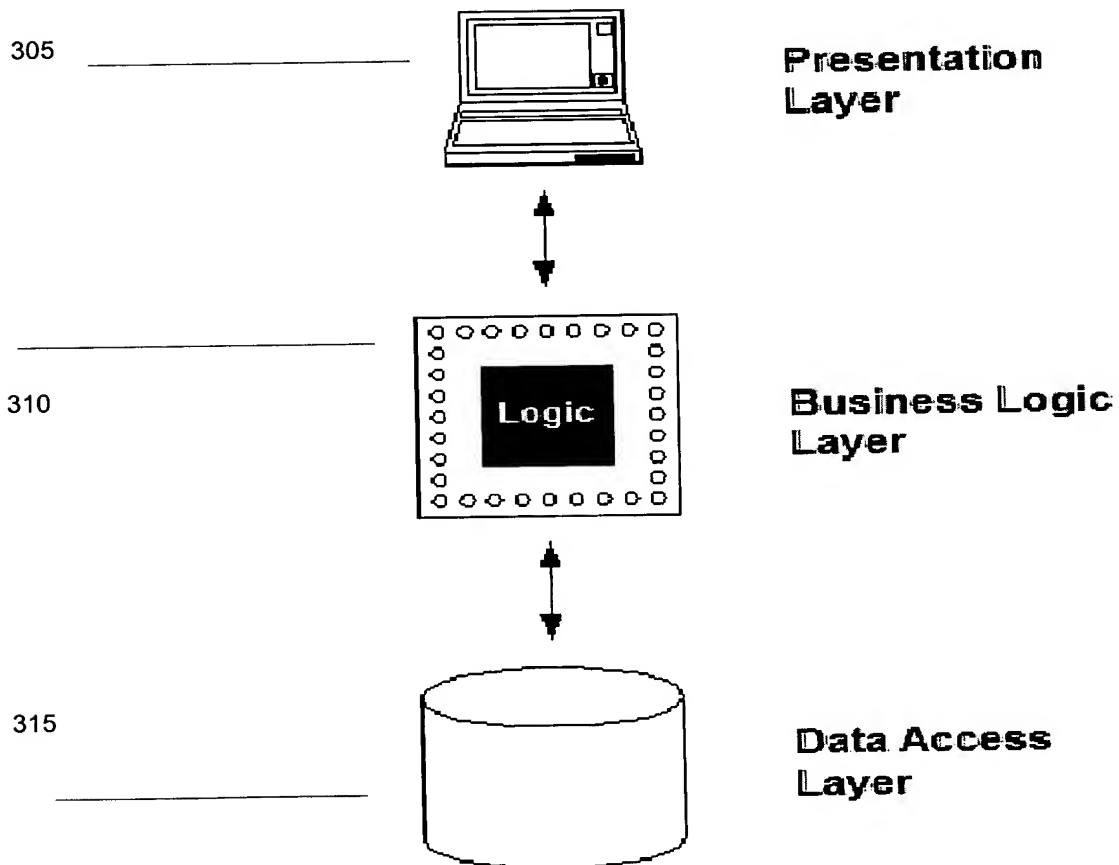


FIGURE 3A

300

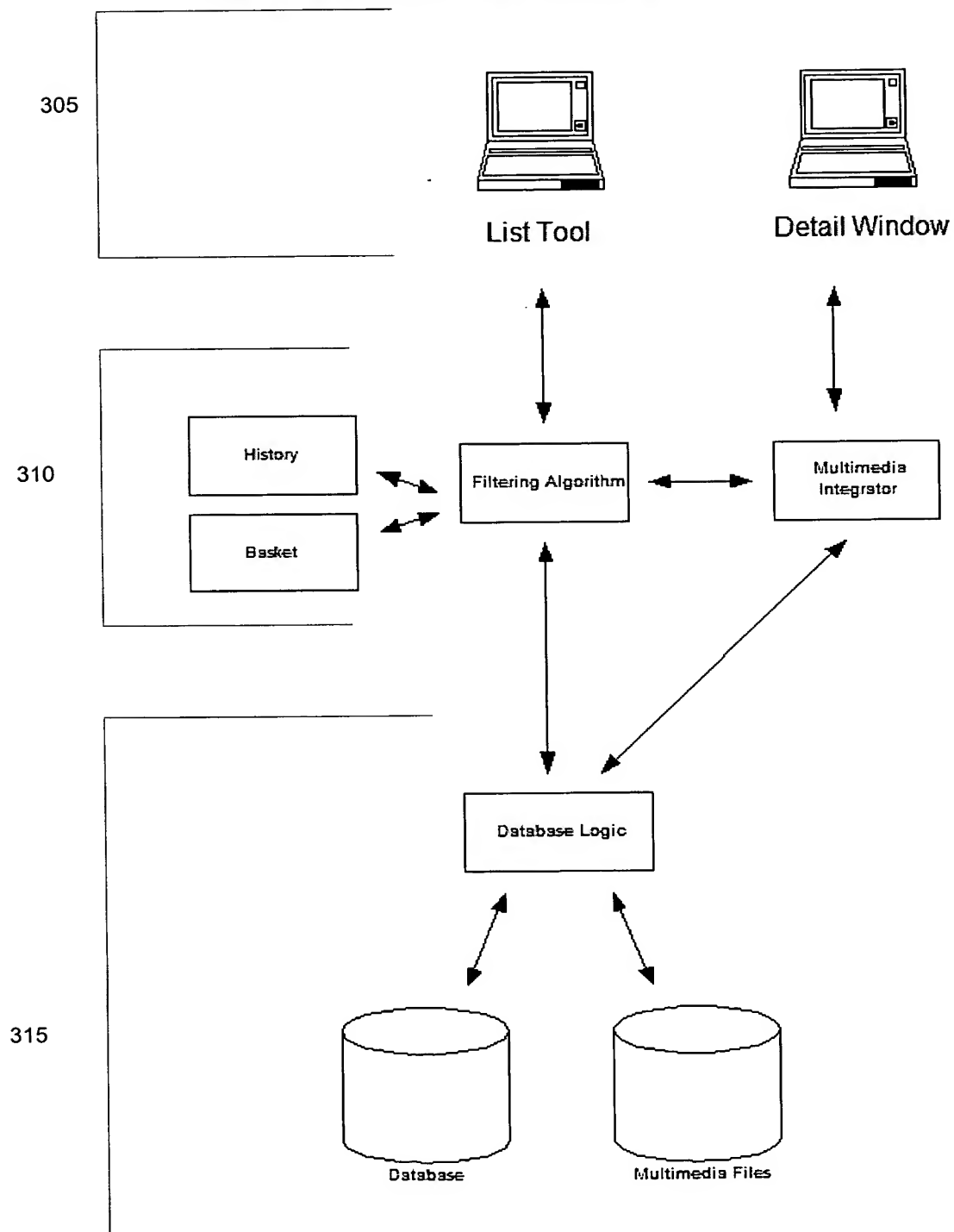
## Application Overview



300

FIGURE 3B

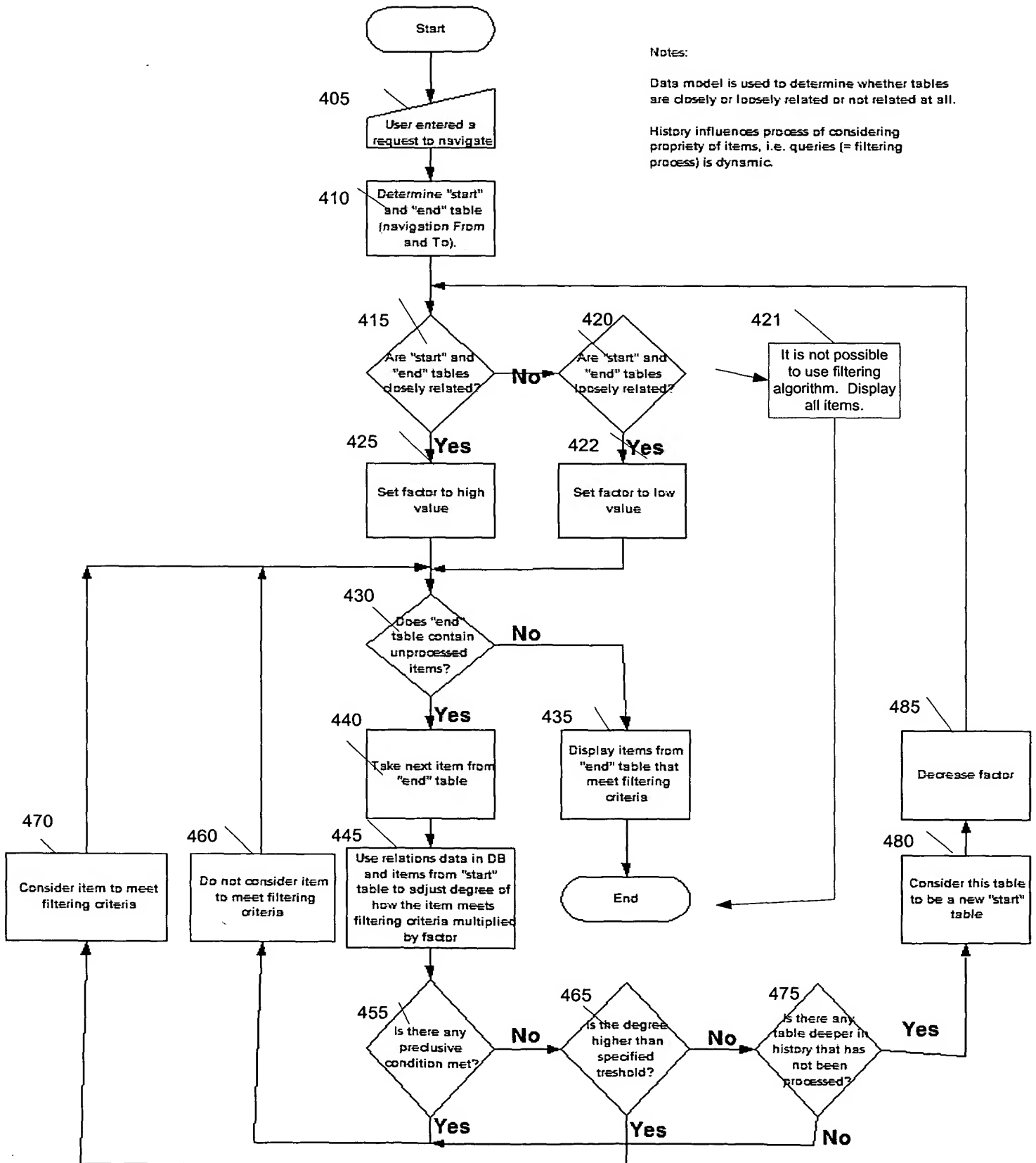
## Application Overview 2



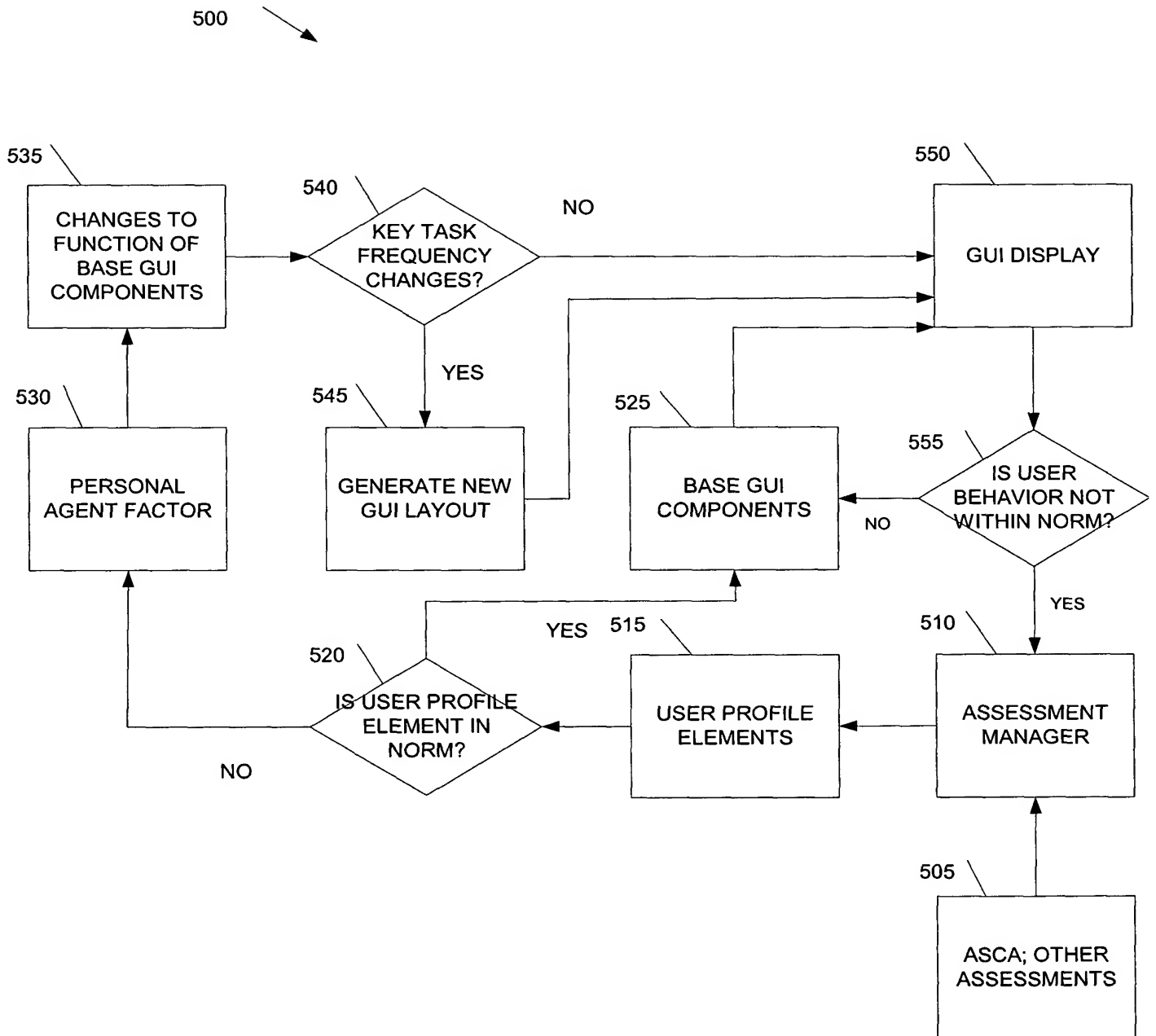



# FIGURE 4

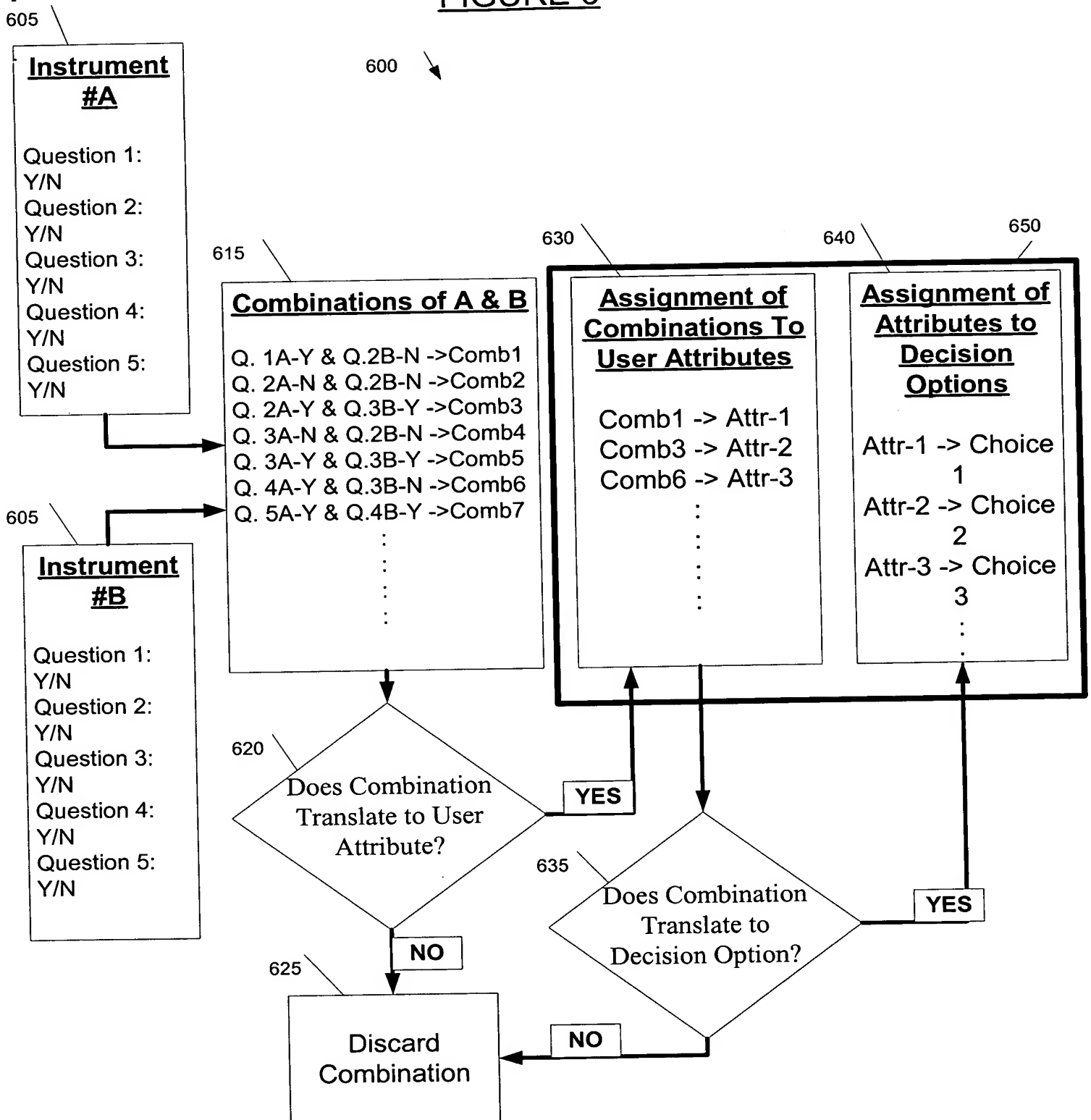
## Example of Filtering Algorithm



**FIGURE 5**



600 



**FIGURE 7**

700

705

**Self-Concept Assessment Instrument**

Video 1: Strongly Agree  
Agree  
Neutral  
Disagree  
Strongly Disagree

Video 2: Strongly Agree  
Agree  
Neutral  
Disagree  
Strongly Disagree

Video 3: Strongly Agree  
Agree  
Neutral  
Disagree  
Strongly Disagree

⋮

710

**Classification of  
Response  
Combinations  
To Attributes  
Ranks**

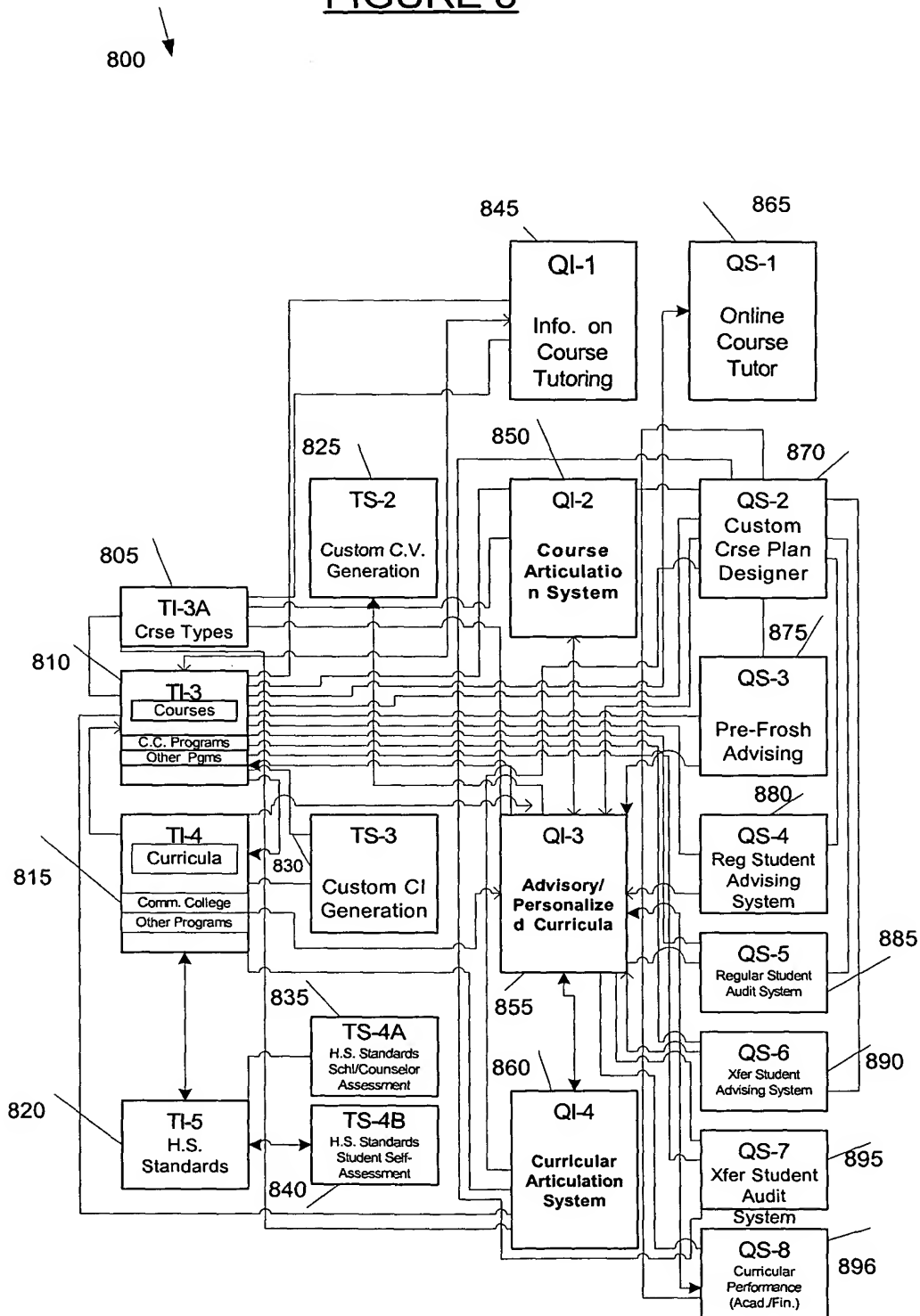
1st Rank: Attr-A  
2nd Rank: Attr-B  
3rd Rank: Attr-C  
⋮  
⋮  
⋮

715

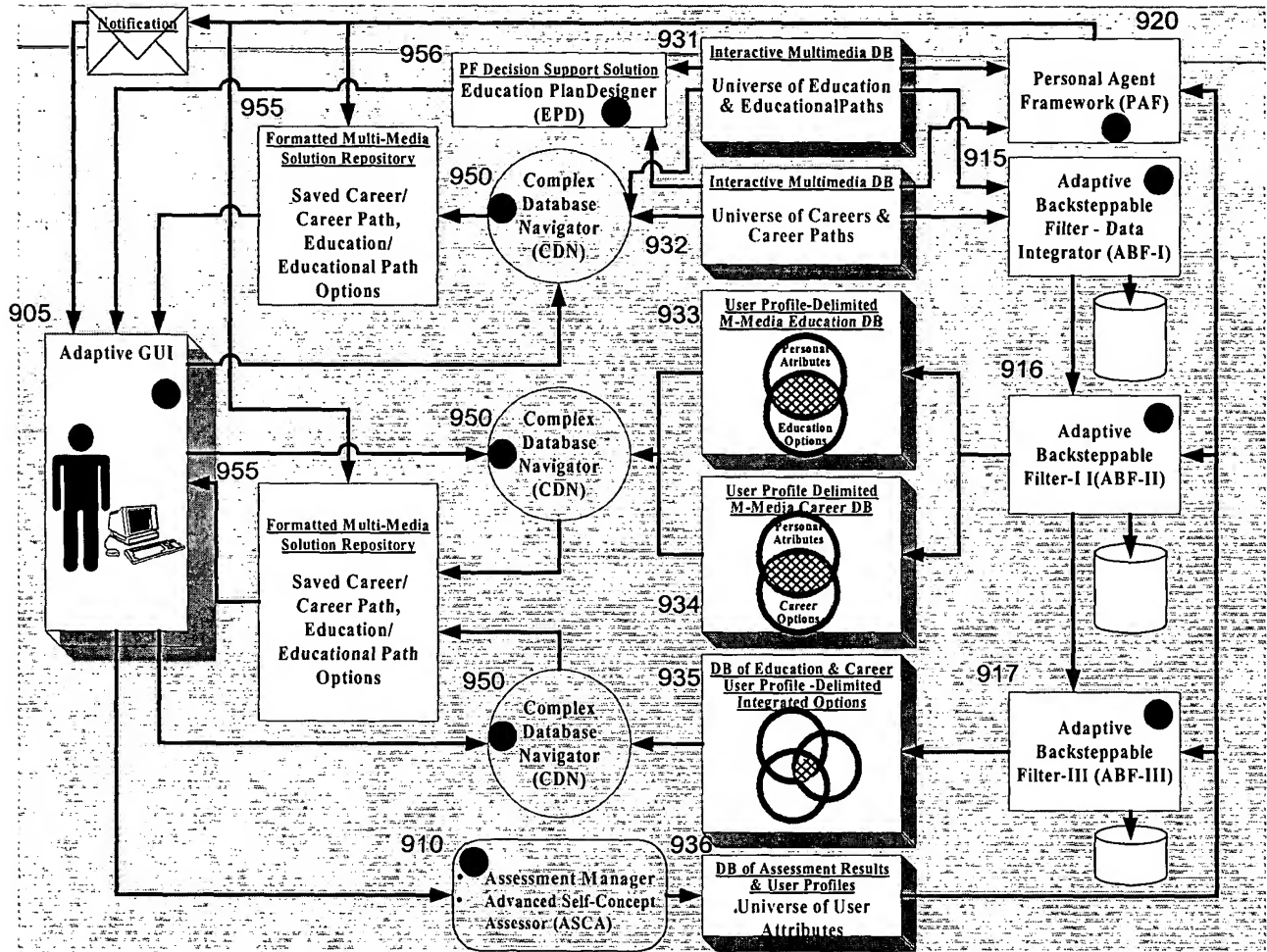
**Assignment of  
Attributes to  
Decision  
Options**

Attr-A: Choice 1  
Attr-B: Choice 2  
Attr-C: Choice 3  
⋮  
⋮  
⋮

**FIGURE 8**



**FIGURE 9**



**FIGURE 10**

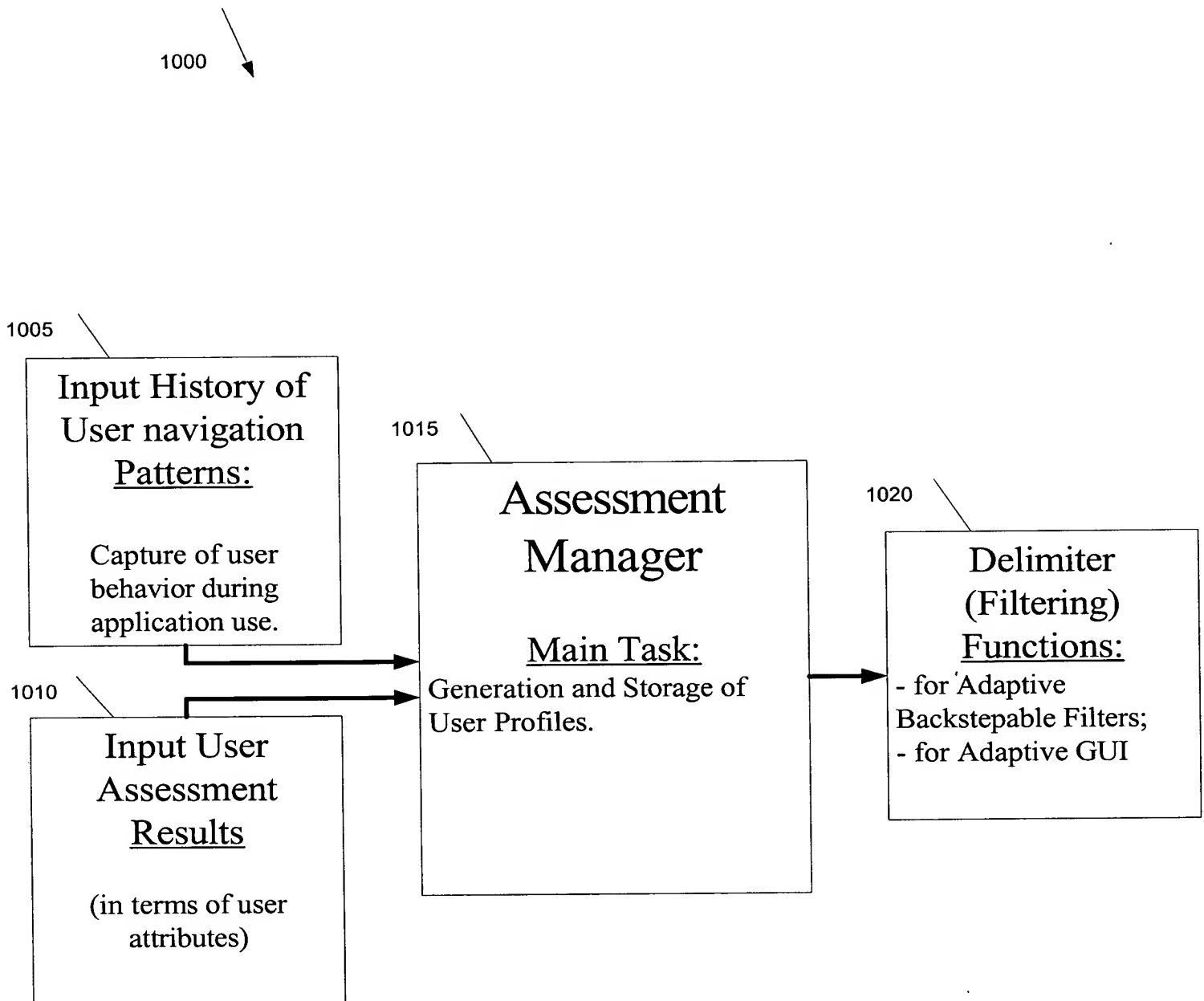


FIGURE 11A

# PathFinder

Engineering

Explore

JobMarket

Curriculum Designer

## Virginia Polytechnic Institute

### Aerospace Engineering

**Curricular Standards**

Participation in math & science clubs and fairs in HS ☒

**Familiarity with and possession of a personal computer** ☒

**SAT scores** ☒

**High school GPA** ☒

**Curricular Prerequisites**

H.S. Chemistry	<input checked="" type="checkbox"/>
Pre-Calculus	<input checked="" type="checkbox"/>
H.S. Biology	<input checked="" type="checkbox"/>
Algebra II/Trig.	<input checked="" type="checkbox"/>
H.S. English	<input checked="" type="checkbox"/>

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b> <input type="checkbox"/> <input type="checkbox"/> <b>Input Grades</b> 18		
General Chemistry I		3
General Chemistry Laboratory I		3
Introduction To Engineering I		3
Freshman English I		3
Calculus I		3
Elementary Linear Algebra		3
<b>Sem 2 - Spring 2003 - \$10,557</b> <input type="checkbox"/> <input type="checkbox"/> 18		
Introduction To Engineering II		3
Freshman English II		3
Calculus II		3
Vector Geometry		3
Foundations Of Physics I		3

**GPA: 3.68 Cost: \$46,536 Credits: 19 / 120**

### Familiarity with and possession of a personal computer

All entering students are required to have a personal computer. The engineering curriculum emphasizes the use of computers in the analysis and solution of engineering problems. Detailed specification on the type of computer required differ from the rest of the university, and are announced by the college in late spring.

For more information, visit the engineering web site at <http://www.eng.vt.edu/compreq/index.html>.

**How To Meet This Curricular Standard**

Computer Form Factor	Notebook • Not a Slate form of Tablet PC
Processor/Processor Speed	* Intel Pentium 4M or Pentium-M (or equivalent processor) with a clock frequency of 1.40GHz +
Operating System	Windows XP Professional
Memory	512MB on Single DIMM
Hard Drive	40 Gigabytes
Video Card	16 MB or greater
Optical Device Options	DVD+R or DVD-R or DVD/CDRW
Network Card	10/100 Mbit Ethernet Card and 802.11b Wireless Interface
Modem	56 Kb Modem that uses the V.90 Standard. Winmodems are not acceptable
Input/Output	USB, Serial and Parallel
File System	NTFS
Warranty	Recommend 3 Year
Software	Students are required to purchase the Engineering Student Software Bundle. This bundle offers over \$1500 worth of software for around \$500. Information on the bundle, pricing and pickup can be found at the software purchasing site.

**Other Useful Information**



FIGURE 11B

# PathFinder

... Engineering

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## Virginia Polytechnic Institute Aerospace Engineering

### Curricular Standards

Participation in math & science clubs and fairs in HS	✓
Familiarity with and possession of a personal computer	✓
SAT scores	✓
High school GPA	✓

### Curricular Prerequisites

H.S. Chemistry	✓
Pre-Calculus	✓
H.S. Biology	✓

### Algebra II/Trig.

✕

H.S. English	✓
--------------	---

	Grade	Credits
<b>Semester 1 Fall 2002</b>		
General Chemistry I	3	3
General Chemistry Laboratory I	4	4
Introduction To Engineering I	4	4
Freshman English I	2	2
Calculus I	3	3
Elementary Linear Algebra	3	3
<b>Semester 2 Spring 2003</b>		
Introduction To Engineering II	3	3
Freshman English II	3	3
Calculus II	3	3
Mathematics	2	2

**GPA: 3.68 Cost: \$46,536 Credits: 19 / 120**

### Algebra II / Trig.

All entering students are required to have a personal computer. The engineering curriculum emphasizes the use of computers in the analysis and solution of engineering problems. Detailed specifications on the type of computer required differ from the rest of the university, and are announced by the college in late spring. For more information, visit the engineering web site at [www.eng.vt.edu/compreg/index.html](http://www.eng.vt.edu/compreg/index.html).

### How To Meet Curricular Prerequisite Algebra II / Trig.:

### Other Useful Information

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[Intelligent Tutor](#)

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FIGURE 11C

# PathFinder

.... Engineering

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[Curriculum Designer](#)

## Virginia Polytechnic Institute Aerospace Engineering

### Curricular Standards

	Status
Participation in math & science clubs and fairs in HS	✓
Familiarity with and possession of a personal computer	✓
SAT scores	✓
High school GPA	✓

### Curricular Prerequisites

H.S. Chemistry	✓
Pre-Calculus	✓
H.S. Biology	✓
Algebra II/Trig.	✗
H.S. English	✓

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b>	<input type="button" value="+"/> <input type="button" value="-"/> <input type="button" value="Input Grades"/>	18
General Chemistry I		3
General Chemistry Laboratory I		3
Introduction To Engineering I		3
Freshman English I		3
Calculus I		3
<b>Elementary Linear Algebra</b>		3
<b>Sem 2 - Spring 2003 - \$10,557</b>	<input type="button" value="+"/> <input type="button" value="-"/>	18
Introduction To Engineering II		3
Freshman English II		3
<b>GPA: 3.68 Cost: \$46,536 Credits: 19 / 120</b>	<input type="button" value="Job Market"/>	

### Elementary Linear Algebra

**Course Co- and Pre-Requisites:**

Pre-Calculus	Met
H.S. Biology	Waived
✗ Algebra II/Trig.	UNMET

Replace Elementary Linear Algebra with this Algebra II/Trig.?

**Course Objectives:**  
This course introduces the student to the basic concepts of linear algebra and includes the following topics: systematic solution of linear systems and Gaussian elimination, basic matrix algebra, vectors in two- and three-dimensional space, and eigenvalue problems.

**Course Expected Outcomes:**

- To be familiar with solving linear systems
- To be able to reduce matrices using Gaussian elimination
- Solving matrices with basic matrix algebra
- Evaluating vectors in two and three dimensional space
- Competency to solve eigenvalue problems.

Course Syllabus

Course Coverage Schedule

Course Resources

History of Student Performance

Archive of Student Reviews

Other Pertinent Information

Placement Testing

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FIGURE 11D

PathFinder		Explore	Job Market	Curriculum Designer
<b>Virginia Polytechnic Institute Aerospace Engineering</b>				
<b>Curricular Standards</b>	Status			
Participation in math & science clubs and fairs in HS	✓			
Familiarity with and possession of a personal computer	✓			
SAT scores	✓			
High school GPA	✓			
<b>Curricular Prerequisites</b>				
H.S. Chemistry	✓			
Pre-Calculus	✓			
H.S. Biology	✓			
Algebra II/Trig.	✓			
H.S. English	✓			
Grade Credits				
Sum 1 - Fall 2002 - \$10,557	+ [-] Input Grades 18			
General Chemistry I	3			
General Chemistry Laboratory I	3			
Introduction To Engineering I	3			
Freshman English I	3			
Calculus I	3			
Algebra II / Trig.	3			
Sum 2 - Spring 2003 - \$10,557	+ [-]			
Introduction To Engineering II	3			
Freshman English II	4			
GPA: 3.68 Cost: \$46,536 Credits: 19 / 120	More			
EXIT PATHFINDER		Petr Sedy	SELECT PATH Show Path	MANAGE PATHS

### Algebra II/Trigonometry

**Course Descriptions:**  
Euclidean vectors, complex numbers, and topics in linear algebra including linear systems, matrices, determinants, eigenvalues and bases in Euclidean space.

**Course Objectives:**

**Course Expected Outcomes:**

**Course Co- and Pre-Requisites:**

- ▶ Course Syllabus
- ▶ Course Coverage Schedule
- ▶ Course Resources
- ▶ History of Student Performance
- ▶ Archive of Student Reviews
- ▶ Other Pertinent Information

Placement Testing    Intelligent Tutor

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FIGURE 11E

# PathFinder

.... Engineering

Explore

JobMarket

Curriculum Designer

## Virginia Polytechnic Institute

### Aerospace Engineering

#### Curricular Standards

Participation in math & science clubs and fairs in HS	✓
Familiarity with and possession of a personal computer	✓
SAT scores	✓
High school GPA	✓

#### Curricular Prerequisites

H.S. Chemistry	✓
Pre-Calculus	✓
H.S. Biology	✓
Algebra II/Trig.	✓
H.S. English	✓

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b> <span>Done</span>		
General Chemistry I	A	3
General Chemistry Laboratory I	B	4
Introduction To Engineering I	B	4
Freshman English I	C	2
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b> <span>+</span> <span>-</span>		
Introduction To Engineering II		3
Freshman English II		4
<b>GPA: 3.68</b> <b>Cost: \$46,536</b> <b>Credits: 19 / 120</b> <span>More</span>		

Explore Related ... Select

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FIGURE 11F

# PathFinder

.... Engineering

Explore

Job Market

Curriculum Designer

## Virginia Polytechnic Institute Aerospace Engineering

Algebra II/Trig.		✓
H.S. English		✓
<b>Sam 1 - Fall 2002 - \$10,557</b>		<b>18</b>
General Chemistry I	A	3
General Chemistry Laboratory I	B	3
Introduction To Engineering I	B	3
Freshman English I	C	3
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sam 2 - Spring 2003 - \$10,557</b>		<b>18</b>
Elementary Linear Algebra		3
Introduction To Engineering II		3
Freshman English II		3
Calculus II		3
Vector Geometry		3
Foundations Of Physics I		3
<b>Sam 3 - Fall 2003 - \$10,557</b>		<b>18</b>
General Chemistry II		3
Computational Methods		3
Intro to Aerospace Engineering		3
Statics		3

GPA: 3.68 Cost: \$46,536 Credits: 19 / 120

### Calculus II

**Course Objectives:**  
Recognize and manipulate functions given in numerical, graphical, and analytical forms. Give reasonable approximations for values of functions, their limits, derivatives and integrals and express the error involved. Use graphing calculator technology to explore the behavior of functions, limits, derivatives, integrals and series; to find numerical approximations for limits, derivatives, integrals and intervals of convergence for power series; and to aid in solving problems and verifying solutions. Express Calculus concepts, and explain and interpret results in well-written sentences. Interpret the derivative as the limit of a difference quotient that gives the slope of a linear approximation to a graph at a point, and as instantaneous rate of change. Explain the relationship between the derivative and the definite integral as it is expressed in both parts of the Fundamental Theorem of Calculus. Use derivatives and integrals to model and solve applied problems. Use the sign, magnitude, and units of measurement of a solution to an applied problem to assess its reasonableness.

**Course Expected Outcomes:**  
Students will learn about transcendental functions. Students will learn functions of transcendental functions. Students will learn functions and applications of series and sequences. Students will be introduced to the calculus and applications of parameterized curves. Students will learn techniques and applications of integration.

**Course Co- and Pre-Requisites:**  
Calculus I Met

- Course Syllabus
- Course Coverage Schedule
- Course Resources
- History of Student Performance
- Archive of Student Reviews
- Other Pertinent Information

Placement Testing Intelligent Tutor

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FIGURE 11G

# PathFinder

Engineering

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## Virginia Polytechnic Institute Aerospace Engineering

Algebra II/Trig.	✓	
H.S. English	✓	
<b>Sem 1 - Fall 2002 - \$10,557</b>		<b>18</b>
General Chemistry I	A	3
General Chemistry Laboratory I	B	3
Introduction To Engineering I	B	3
Freshman English I	C	3
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b>		<b>18</b>
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	3
Freshman English II	B	3
<b>Calculus II</b>	<b>F</b>	<b>3</b>
Vector Geometry	A	3
Foundations Of Physics I	A	3
<b>Sem 3 - Fall 2003 - \$10,557</b>		<b>18</b>
Calculus II		3
General Chemistry II		4
Computational Methods		4
Intro to Aerospace Engineering		2

**GPA: 3.68 Cost: \$46,536 Credits: 19 / 120**

### Calculus II

**X Options for Repeating Failed Course (Student Must Choose One)**

Option 1 : Repeat same course in the immediate following semester

Option 2 : Repeat course at a later semester

Option 3 : Substitute Course for an equivalent course to be taken now or later

**Course Objectives:**  
Recognize and manipulate functions given in numerical, graphical, and analytical forms. Give reasonable approximations for values of functions, their limits, derivatives and integrals and express the error involved. Use graphing calculator technology to explore the behavior of functions, limits, derivatives, integrals and series; to find numerical approximations for limits, derivatives, integrals and intervals of convergence for power series; and to aid in solving problems and verifying solutions. Express Calculus concepts, and explain and interpret results in well-written sentences. Interpret the derivative as the limit of a difference quotient that gives the slope of a linear approximation to a graph at a point, and as instantaneous rate of change. Explain the relationship between the derivative and the definite integral as it is expressed in both parts of the Fundamental Theorem of Calculus. Use derivatives and integrals to model and solve applied problems. Use the sign, magnitude, and units of measurement of a solution to an applied problem to assess its reasonableness.

**Course Expected Outcomes:**  
Students will learn about transcendental functions. Students will learn functions of transcendental functions. Students will learn functions and applications of series and sequences. Students will be introduced to the calculus and applications of parameterized curves. Students will learn techniques and applications of integration.

**Course Co- and Pre-Requisites:**  
Calculus I Met

**Course Syllabus**

**Course Coverage Schedule**

**Course Resources**

**History of Student Performance**

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**MANAGE PATHS**

FIGURE 11H

# PathFinder

.... Engineering

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## Virginia Polytechnic Institute

### Aerospace Engineering

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b>		<b>18</b>
General Chemistry I	A	3
General Chemistry Laboratory I	B	4
Introduction To Engineering I	B	4
Freshman English I	C	2
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b>		<b>18</b>
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	4
Freshman English II	B	4
Calculus II	F	2
Vector Geometry	A	3
Foundations Of Physics I	A	2
<b>Sem 3 - Fall 2003 - \$10,557</b>		<b>18</b>
Calculus II		3
General Chemistry II		4
Computational Methods		4
Intro to Aerospace Engineering		2
Statics		3
Multivariable Calculus		2

OPA: 3.68 Cost: \$46,536 Credits: 19 / 120

### Intro to Aerospace Engineering

**Course Description:**  
An overview of aerospace engineering from a design perspective; introductory aerodynamics, lift, drag, and the standard atmosphere; aircraft performance, stability, and control; propulsion; structures; rocket and spacecraft trajectories and orbits.

**Course Objectives:**  
To highlight the fundamental concepts and approaches of aerospace engineering and design through lectures on aeronautics, astronautics, and design. To immerse student teams in a hands-on, lighter-than-air (LTA) vehicle design project where they design, build, and fly radio-controlled LTA vehicles. To show the connections between theory and practice in the LTA vehicle project.

**Course Expected Outcomes:**  
Solid understanding of the fundamental concepts and approaches of aerospace engineering and design. To design, build, and fly radio-controlled LTA vehicles. To estimate and illustrate the performance, weight, and principal characteristics of the LTA vehicles using physics, mathematics, and chemistry known to freshmen (the emphasis being on the application of this knowledge to aerospace engineering and design rather than on exposure to new science and mathematics).

**Course Co- and Pre-Requisites:**  
Prerequisites - AOE 4134 Met  
AOE 4065/6 Met  
Corequisites - MATH 2224 Met

[Course Syllabus](#)  
[Course Coverage Schedule](#)  
[Course Resources](#)  
[History of Student Performance](#)  
[Archive of Student Reviews](#)  
[Other Pertinent Information](#)

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[Companies](#)  
[Job Functions](#)

[Articulate](#)

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FIGURE 111

YOU'RE NOW EXPLORING:  
2003 RI-SGC  
Summer Internships

- » Institutions, Funding & Employers
- » Pursuits
- » Programs & Standards
- » Curricula and Courses
  - Curricula
  - Course Types
  - Courses
  - Course Tutoring

**Summer Internship - United Technologies**

[Add to Basket](#)

Title of Internship: Energy Cost Model of the Otis Gen2 Gearless Elevator System.

**Objective:**

To develop an energy cost model of the Otis Gen2 Gearless Elevator system that addresses design parameters incorporated in equivalent industry geared systems.

To identify critical "areas of innovation" and qualify how innovation in those areas affected the energy cost model.

**Qualifications:**

Open to matriculating college students of all levels.

Students majoring in Engineering and Economics are encouraged to apply.

**Other Information:**

This is a minimum 8 week summer commitment between the last week of May and the first week of September.

Research facilities located in East Hartford, Connecticut. Please see link below for more information about East Hartford, Connecticut and surrounding cities.

Living arrangements and traveling expenses will be fully covered. Sunday.

[Back to Curriculum](#)

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[EXIT PATHFINDER](#)

Petr Sedy

[SELECT PATH](#)

Curriculum Designer

[MANAGE PATHS](#)



FIGURE 11J

# PathFinder

..... Engineering

[Explore](#)
[Job Market](#)
[Curriculum Designer](#)

**YOU'RE NOW EXPLORING:**

**VA Tech's AOE 2104:**  
Intro to Aero. Eng.

- ▶ Institutions, Funding & Employers
- ▶ Pursuits
- ▶ Programs & Standards
- ▶ Curricula and Courses
  - Curricula
  - Course Types
  - Courses
  - Course Tutoring

**Available Tutoring Resources for VA Tech's AOE 2104: Intro to Aero. Engineering Spring 2003**

[Add to Basket](#)

Aerospace and Ocean engineering tutoring program  
The Innovations for Aerospace and Ocean engineering tutoring program project, twice funded by the Center for Innovations in Learning, has built an interesting array of modules and tools designed to be used in a variety of aerospace and ocean engineering discipline settings to promote design skills right from the freshman class.  
Contact: Leslie Graham [grahamlp@vt.edu](mailto:grahamlp@vt.edu)  
Register: [www.aoo.vt.edu](http://www.aoo.vt.edu)

**Institutional resources**  
Student success center  
\* Times and locations of groups are provided at the time of the tutoring request and are not listed here.  
Daily walk-in tutoring schedule available below.

**Monday:** 12:00pm-4:00pm 4:00pm-5:00pm  
Tutor requests taken College Writing Center tutor available

**Tuesday:** 10:00am-2:00pm 4:00pm-5:00pm 5:00pm-8:00pm  
Tutor requests taken College Writing Center tutor available  
Information tech. (computer) assistance

**Wednesday:** 10:00-1:00pm 4:00pm-5:00pm  
Tutor requests taken College Writing Center tutor available

**Thursday:** Noon-4:30pm 1:00pm-4:00pm 4:00pm-5:00pm 5:00pm-7:00pm  
Tutor requests taken Information tech. (computer) assistance College Writing Center tutor available Information tech. (computer) assistance

**Friday:** 2:00pm-4:00pm  
College Writing Center tutor available

[Back to Curriculum](#)

PAGE 1 OF 2

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Petr Sedy

[SELECT PATH](#)

[MANAGE PATHS](#)

FIGURE 11K

# PathFinder

... Engineering

Explore

Job Market

Curriculum Designer

## Virginia Polytechnic Institute

### Aerospace Engineering

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b>		<b>18</b>
General Chemistry I	A	3
General Chemistry Laboratory I	B	4
Introduction To Engineering I	B	4
Freshman English I	C	2
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b>		<b>18</b>
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	4
Freshman English II	B	4
Calculus II	F	2
Vector Geometry	A	3
Foundations Of Physics I	A	2
<b>Sem 3 - Fall 2003 - \$10,557</b>		<b>18</b>
Calculus II		3
General Chemistry II		4
<b>Computational Methods</b>		<b>4</b>
Intro to Aerospace Engineering		2
<b>Statics</b>		<b>3</b>
Multivariable Calculus		2

### Articulate Course

#### Input Course

State:

Institution:

Discipline:

Program:

Course Number:

Course Name: Computational Methods

Course Description: Lorem ipsum dolor sit amet, con; minimum venami quis nostrud laboris nisi ut aliquip ex ea com color in reprehenderit in voluptate nonumy. Lorem ipsum dolor.

Course Type: Engineering Science

Course Credits: 3

Other Info:

#### Output Course

State:

Institution:

Discipline:

Program:

Course Number:

Course Name: Computational Methods

Course Description: Lorem ipsum dolor sit amet, con; minimum venami quis nostrud laboris nisi ut aliquip ex ea com color in reprehenderit in voluptate nonumy. Lorem ipsum dolor.

Course Type: Engineering Science

Course Credits: 3

Other Info:

6 of 10

GPA: 3.68 Cost: \$46,536 Credits: 19 / 120

FIGURE 11L

PathFinder

.... Engineering

Explore

Job Market

Curriculum Designer

Virginia Polytechnic Institute

Aerospace Engineering

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b>		
General Chemistry I	A	3
General Chemistry Laboratory I	B	4
Introduction To Engineering I	B	4
Freshman English I	C	2
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b>		
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	4
Freshman English II	B	4
Calculus II	F	2
Vector Geometry	A	3
Foundations Of Physics I	A	2
<b>Sem 3 - Fall 2003 - \$10,557</b>		
Calculus II		3
General Chemistry II		4
Computational Methods		4
Intro to Aerospace Engineering		2
Statics		3
Multivariable Calculus		2

GPA: 3.68

Cost: \$46,536

Credits: 19 / 120

More

EXIT PATHFINDER

Petr Sedy

SELECT PATH

Curriculum Designer

MANAGE PATHS

Statics

Course Co- and Pre-Requisites:

Prerequisites - EF 1016

MATH 1114

Met

UNMET

Corquisites - MATH 2224

Met

Approval to Waive Prerequisite?

YES

NO

Course Description:

An overview of aerospace engineering from a design perspective; introductory aerodynamics, lift, drag, and the standard atmosphere; aircraft performance, stability, and control; propulsion; structures; rocket and spacecraft trajectories and orbits.

Course Objectives:

Introduce concepts of static mechanics as it related to introductory aerospace engineering.; Teach how to evaluate the moments of a force and the resultant of a force system; Analyze general equilibrium problems and teach freebody diagrams and the fundamental applications of equilibrium equations; Address the structural applications of concepts listed above.

Course Expected Outcomes:

Define the concepts listed above. Resolve and add vectors. Multiply vectors using both dot and cross products. Find the resultant of any force system. Isolate any body and draw the freebody diagram. Solve for unknown forces and moments on a body in equilibrium. Determine internal forces in trusses, frames, and machines. Compute the centroid or the center of mass using integration and composite parts. Construct shear and bending moment diagrams for beams. Work static problem involving friction. Calculate area moments of inertia by integration. Calculate area moments of inertia using the parallel-axis theorem.

Course Syllabus

Course Coverage Schedule

Course Resources

History of Student Performance

Archive of Student Reviews

Other Pertinent Information

Placement Testing

Intelligent Tutor

Explore Related ...

Select

Articulate

FIGURE 11M

# PathFinder

.... Engineering

[Explore](#)
[Job Market](#)
[Curriculum Designer](#)

## Virginia Polytechnic Institute

### Aerospace Engineering

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b>		
General Chemistry I	A	3
General Chemistry Laboratory I	B	4
Introduction To Engineering I	B	4
Freshman English I	C	2
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b>		
Elementary Linear Algebra	C	
Introduction To Engineering II	B	
Freshman English II	B	
Calculus II	F	
Vector Geometry	A	
Foundations Of Physics I	A	
<b>Sem 3 - Fall 2003 - \$10,557</b>		
Calculus II		
General Chemistry II	4	
Computational Methods	4	
Intro to Aerospace Engineering	2	
Statics	3	
Multivariable Calculus	2	

### Intro to Aerospace Engineering

**Course Description:**  
An overview of aerospace engineering from a design perspective; introductory aerodynamics, lift, drag, and the standard atmosphere; aircraft performance, stability, and control; propulsion; structures; rocket and spacecraft trajectories and orbits.

**Course Objectives:**  
To highlight the fundamental concepts and approaches of aerospace engineering and design through lectures on aeronautics, astronautics, and design. To immerse student teams in a hands-on, lighter-than-air (LTA) vehicle design project where they design, build, and fly radio-controlled LTA vehicles. To show the connections between theory and practice in the LTA vehicle project.

**Course Expected Outcomes:**  
aerospace engineering and design. To design, build, and fly weight, and principal characteristics of the LTA vehicles using being on the application of this knowledge to aerospace mathematics).

**WARNING!!**

This course is required for your curriculum. Dropping this course without a replacement will invalidate your curriculum.

Cancel

Articulate an equivalent course

Drop this course anyway

Course Resources

History of Student Performance

Archive of Student Reviews

Other Pertinent Information

Placement Testing

Intelligent Tutor

Explore Related ...

GPA: 3.68 Cost: \$46,536 Credits: 19 / 120

Petr Sedy

FIGURE 11N

# PathFinder

... Engineering

Explore

Job/Market

Curriculum Designer

## Virginia Polytechnic Institute

### Aerospace Engineering

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b>		<b>18</b>
General Chemistry I	A	3
General Chemistry Laboratory I	B	3
Introduction To Engineering I	B	3
Freshman English I	C	3
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b>		<b>15</b>
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	3
Freshman English II	B	3
Calculus II	F	3
Vector Geometry	A	3
Foundations Of Physics I	A	3
<b>Sem 3 - Fall 2003 - \$10,557</b>		<b>15</b>
Calculus II	A	3
General Chemistry II	B	3
Computational Methods	A	3
Multivariable Calculus	B	3
Foundations of Physics II	B	3
<b>Sem 4 - Spring 2003 - \$8,797</b>		

GPA: 3.68 Cost: \$46,536 Credits: 19 / 120

### Curriculum Statistics

#### Academic Performance Details

Total credits attempted to date :	48	Credit balance to be earned to graduate :	48
Total credits proposed for current semester :	16	Total credits transferred to date :	16
Total credits earned towards graduation :	32	Total credits att. towards graduation :	32
Total credits earned to date :	32	Current Cumulative GPA :	3.2
Credits towards grad. for current semester :	16		

#### Financial Records Details

	In-State	Out of State	International
Current Semester Tuition+Fees	Numbers here		
Cum. Tuition+Fees to Date			

#### The GPA Modeler

Intro to Aerospace Engineering	B	Target GPA <b>3.5</b>
Statics	B	
SPECIAL STUDY	B	
Materials In Aero. and Oceanic Systems	B	
Dynamics	B	
Intro Diff Equations	B	

Informal Transcript

Explore Related...

Articulate

EXIT PATHFINDER

Petr Sedy

SELECT PATH

MANAGE PATHS

FIGURE 110

# PathFinder

... Engineering

Explore

Job Market

Curriculum Designer

## Virginia Polytechnic Institute

### Aerospace Engineering

	Grade	Credits
<b>Sem 1 - Fall 2002 - \$10,557</b>		
General Chemistry I	A	3
General Chemistry Laboratory I	B	3
Introduction To Engineering I	B	3
Freshman English I	C	3
Calculus I	B	3
Algebra II / Trig.	A	3
<b>Sem 2 - Spring 2003 - \$10,557</b>		
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	3
Freshman English II	B	3
Calculus II	F	3
Vector Geometry	A	3
Foundations Of Physics I	A	3
<b>Sem 3 - Fall 2003 - \$10,557</b>		
Calculus II	A	3
General Chemistry II	B	3
Computational Methods	A	3
Multivariable Calculus	B	3
Foundations of Physics II	B	3
<b>Sem 4 - Spring 2003 - \$8,797</b>		

### Informal Transcript

<b>Sem 1 - Fall 2002 - \$10,557</b>			<b>Sem 2 - Spring 2003 - \$10,557</b>		
General Chemistry I	A	3	Elementary Linear Algebra	C	3
General Chemistry Laboratory I	B	4	Introduction To Engineering II	B	4
Introduction To Engineering I	B	4	Freshman English II	B	4
Freshman English I	C	2	Calculus II	F	2
Calculus I	B	3	Vector Geometry	A	3
Algebra II / Trig.	A	3	Foundations Of Physics I	A	2
<b>Sem 3 - Fall 2003 - \$10,557</b>					
Calculus II	A	3			
General Chemistry II	B	3			
Computational Methods	A	3			
Multivariable Calculus	B	3			
Foundations of Physics II	B	3			

### Academic Performance Details

Total credits attempted to date : 51	Credit balance to be earned to graduate : 69
Total credits proposed for current semester : 15	Total credits transferred to date : 0
Total credits earned towards graduation : 51	Total credits att. towards graduation : 51
Total credits earned to date : 51	Current Cumulative GPA : 3.26
Credits towards grad. for current semester : 15	

Print

Explore Related...

Articulate

GPA: 3.68 Cost: \$46,536 Credits: 19 / 120

EXIT PATHFINDER

Petr Sedy

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MANAGE PATHS



FIGURE 11P

# PathFinder

... Engineering

Explore

JobMarket

Curriculum Designer

**YOU'RE NOW EXPLORING:**

Academic performance-based Merit grants

- Institutions, Funding & Employers
- Pursuits
- Programs & Standards
- Curricula and Courses
  - Curricula
  - Course Types
  - Courses
  - Course Tutoring

## Financial Resources: Academic performance-based Merit grants

[Add to Basket](#)

### In-Institution

#### Upperclass Scholarships

Our College of Engineering has corporate and private support for upperclass academic scholarships. These competitive upperclass scholarships are awarded on the basis of performance at Virginia Tech. Each January, scholarship information is announced on the engineering opportunities listserv which is used to communicate with enrolled Virginia Tech engineering students. Rising sophomores with a cumulative 3.4 GPA or above and rising juniors and seniors with a cumulative 3.0 GPA at the end of fall semester are eligible to apply. The scholarship application form is available online in late January. Application deadline is March 1. Approximately 450 upperclass engineering students receive academic scholarships each year. Scholarships range from \$500 to full tuition/fees and room/board. The average award is \$1,000. Students may receive both financial aid awards based on income and academic awards based on achievement.

#### Eleanor Davenport Leadership Scholarship

Davenport Leadership Scholars are selected on the basis of superior intellectual promise and academic performance, leadership ability, personal character, and community service. Eligible applicants must have an exemplary GPA, SAT scores of 1500 or higher, and meet leadership and service requirements.

Scholars should have submitted their application for admission to the College of Engineering at Virginia Tech by January 15, 2003 and plan to pursue full-time study (12 credits or more) toward a degree in engineering. Recipients will receive an award the equivalent of in-state tuition and fees for a total of four years. This scholarship may be renewed each semester for a total of eight semesters of academic study, or until receipt of the B.S. degree in engineering, whichever occurs first. Scholars are expected to maintain full-time student status enrolled in an engineering curriculum and an overall GPA of 3.5 or better in order to retain the award. Four scholarships will be granted each year to applicants who demonstrate the necessary requirements.

Contact Carlene Arthur at [carthur@vt.edu](mailto:carthur@vt.edu) if you qualify to request an application. Applications for this scholarship will be accepted through February 15, 2003. Personal interviews with candidates may be conducted as part of the selection criteria. Recipients of the award will be notified no later than March 15, 2003.

[Back to Curriculum](#)

EXIT PATHFINDER

Petr Sedy

SELECT PATH

MANAGE PATHS

PAGE 1 OF 2

FIGURE 11Q

PathFinder

.... Engineering

Explore

Job Market

Curriculum Designer

Virginia Polytechnic Institute

Aerospace Engineering

	Grade	Credits
<b>Sem 2 - Spring 2003 - \$10,557</b>		
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	3
Freshman English II	B	3
Calculus II	F	3
Vector Geometry	A	3
Foundations Of Physics I	A	3
<b>Sem 3 - Fall 2003 - \$10,557</b>		
Calculus II	A	3
General Chemistry II	B	3
Computational Methods	A	3
Multivariable Calculus	B	3
Foundations of Physics II	B	3
<b>Sem 4 - Spring 2003 - \$8,797</b> <input type="button" value="Input Grades"/> 18		
Intro to Aerospace Engineering		3
Statics		3
Special Study		3
Materials in Aero. and Oceanic Sys.		3
Dynamics		3
Intro Diff Equations		3

GPA: 3.68 Cost: \$46,536 Credits: 19 / 120

Petr Sedy

SELECT PATH

MANAGE PATHS

Materials in Aero. and Oceanic Sys.

Course Objectives:

To introduce the Aerospace and/or ocean engineering student to the fundamental properties of materials typically required for structural design. Presentation and contrasting the performance capabilities of metals, polymers, composites and ceramics. Provide an understanding how processing affects material properties and performance. Providing foundation of material manufacturing.

Course Expected Outcomes:

Identify the meaning and significance of material properties which are used to describe mechanical performance. Perform fundamental calculations and analyses necessary to describe and predict mechanical behavior of materials. Identify and recommend processing methods by which specific material structures be produced and their properties developed or enhanced. Identify and select appropriate materials for aerospace applications based upon the knowledge of performance needs and design constraints, material properties, processing opportunities and limitations.

Course Co- and Pre-Requisites:

Prerequisites - AOE 2074

Course Syllabus

Course Coverage Schedule

Academic Performance Details

History of Student Performance

Archive of Student Reviews

Other Pertinent Information

Placement Testing

Intelligent Tutor

Explore Related ...



FIGURE 11R

PathFinder

.... Engineering

Explore

Job Market

Curriculum Designer

Virginia Polytechnic Institute

Aerospace Engineering

	Grade	Credits
<b>Sem 2 - Spring 2003 - \$10,557</b>		
Elementary Linear Algebra	C	3
Introduction To Engineering II	B	3
Freshman English II	B	3
Calculus II	F	3
Vector Geometry	A	3
Foundations Of Physics I	A	3
<b>Sem 3 - Fall 2003 - \$10,557</b>		
Calculus II	A	3
General Chemistry II	B	3
Computational Methods	A	3
Multivariable Calculus	B	3
Foundations of Physics II	B	3
<b>Sem 4 - Spring 2003 - \$8,797</b>		
Intro to Aerospace Engineering	A	3
Statics	B	3
Special Study	B	3
<b>Materials in Aero. and Oceanic Sys.</b>	D	3
Dynamics	C	3
Intro Diff Equations	B	3

GPA: 3.68

Cost: \$46,536

Credits: 19 / 120

More

EXIT PATHFINDER

Petr Sedy

SELECT PATH

Current Path: None

MANAGE PATHS

Materials in Aero. and Oceanic Sys.

X Options for Repeating Failed Course (Student Must Choose One)

SELECT

Option 1: Repeat same course in the immediate following semester

SELECT

Option 2: Repeat course at a later semester

SELECT

Option 3: Substitute Course for an equivalent course to be taken now or later

Course Objectives:

To introduce the Aerospace and/or ocean engineering student to the fundamental properties of materials typically required for structural design. Presentation and contrasting the performance capabilities of metals, polymers, composites and ceramics. Provide an understanding how processing affects material properties and performance. Providing foundation of material manufacturing.

Course Expected Outcomes:

Identify the meaning and significance of material properties which are used to describe mechanical performance. Perform fundamental calculations and analyses necessary to describe and predict mechanical behavior of materials. Identify and recommend processing methods by which specific material structures be produced and their properties developed or enhanced. Identify and select appropriate materials for aerospace applications based upon the knowledge of performance needs and design constraints, material properties, processing opportunities and limitations.

Course Co- and Pre-Requisites:

Prerequisites - AOE 2074

Course Syllabus

Course Coverage Schedule

Academic Performance Details

History of Student Performance

Archive of Student Reviews

Other Pertinent Information

Placement Testing

Intelligent Tutor

Explore Related ...

Select

Articulate

FIGURE 11S

# PathFinder

.... Engineering

[Explore](#)[Job Market](#)[Curriculum Designer](#)

**YOU'RE NOW EXPLORING:**

**VA Tech AOE 2994**

- Institutions, Funding & Employers
- Pursuits
- Programs & Standards
- Curricula and Courses
  - Curricula
  - Course Types
  - Courses
  - Course Tutoring

**OSDC Intelligent Tutor for VA Tech's AOE 2994:**

**Undergraduate Research Sprint 2003**

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[Launch Intelligent Tutor](#)

[Back to Curriculum](#)

PAGE 1 OF 1

[EXIT PATHFINDER](#)

Petr Sedy

[SELECT PATH](#)  [MANAGE PATHS](#)

FIGURE 12A

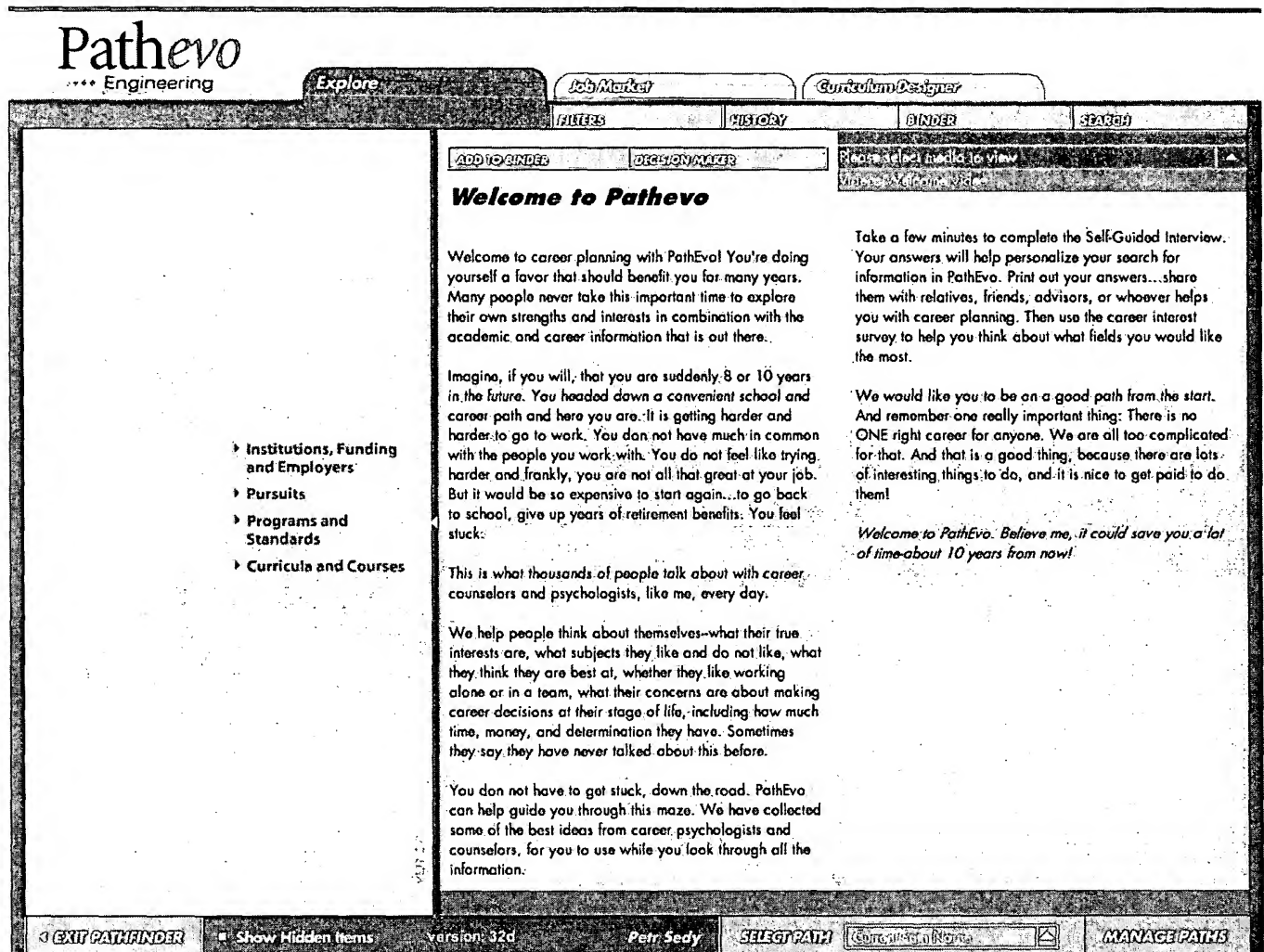


FIGURE 12B

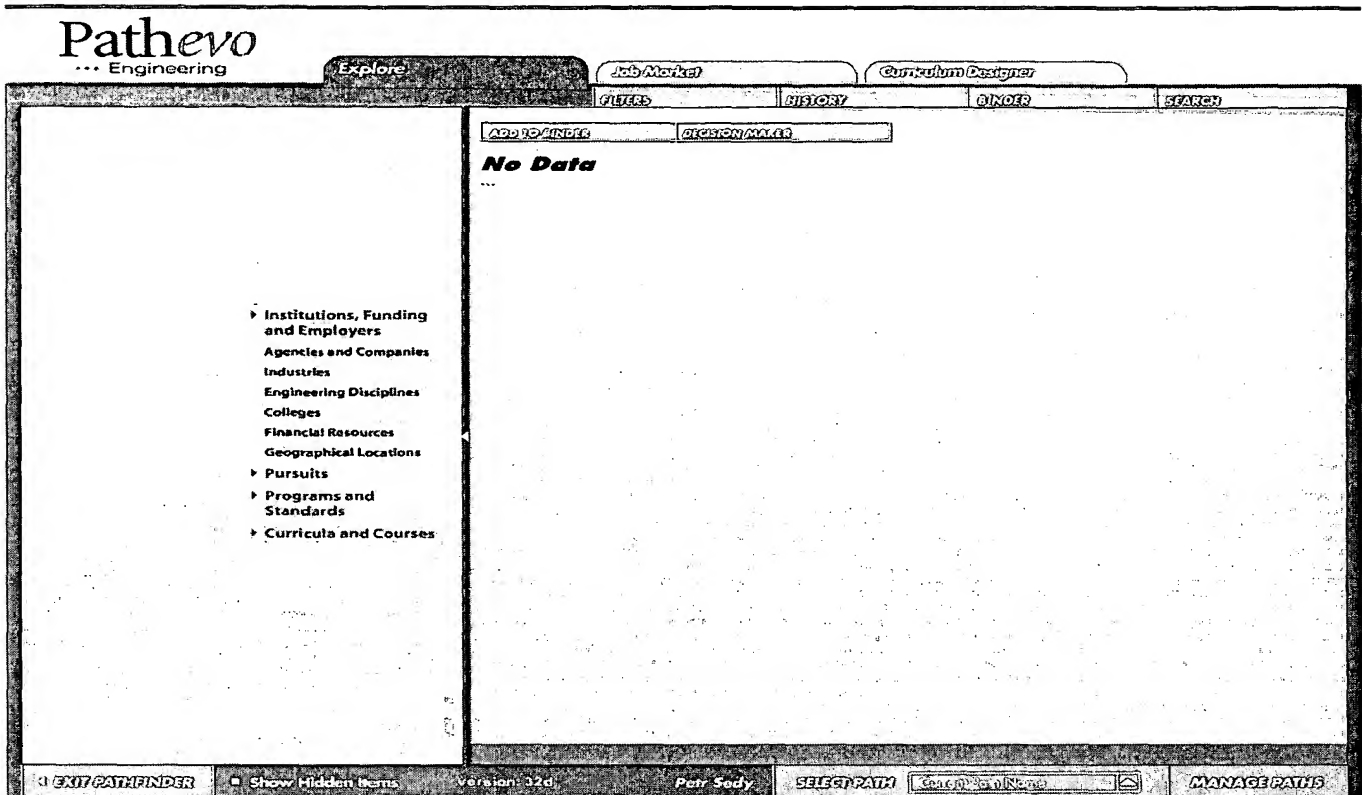


FIGURE 12C

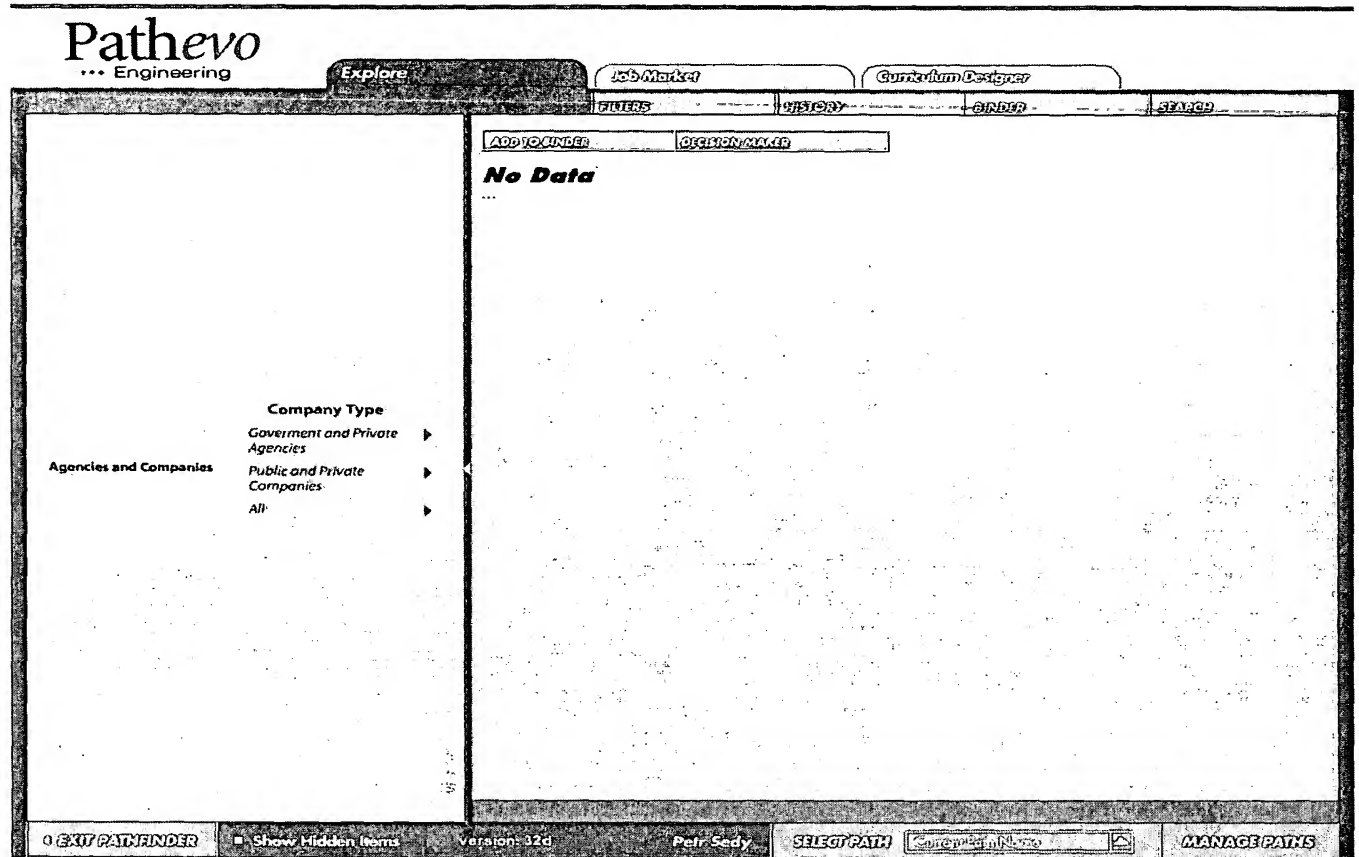


FIGURE 12D

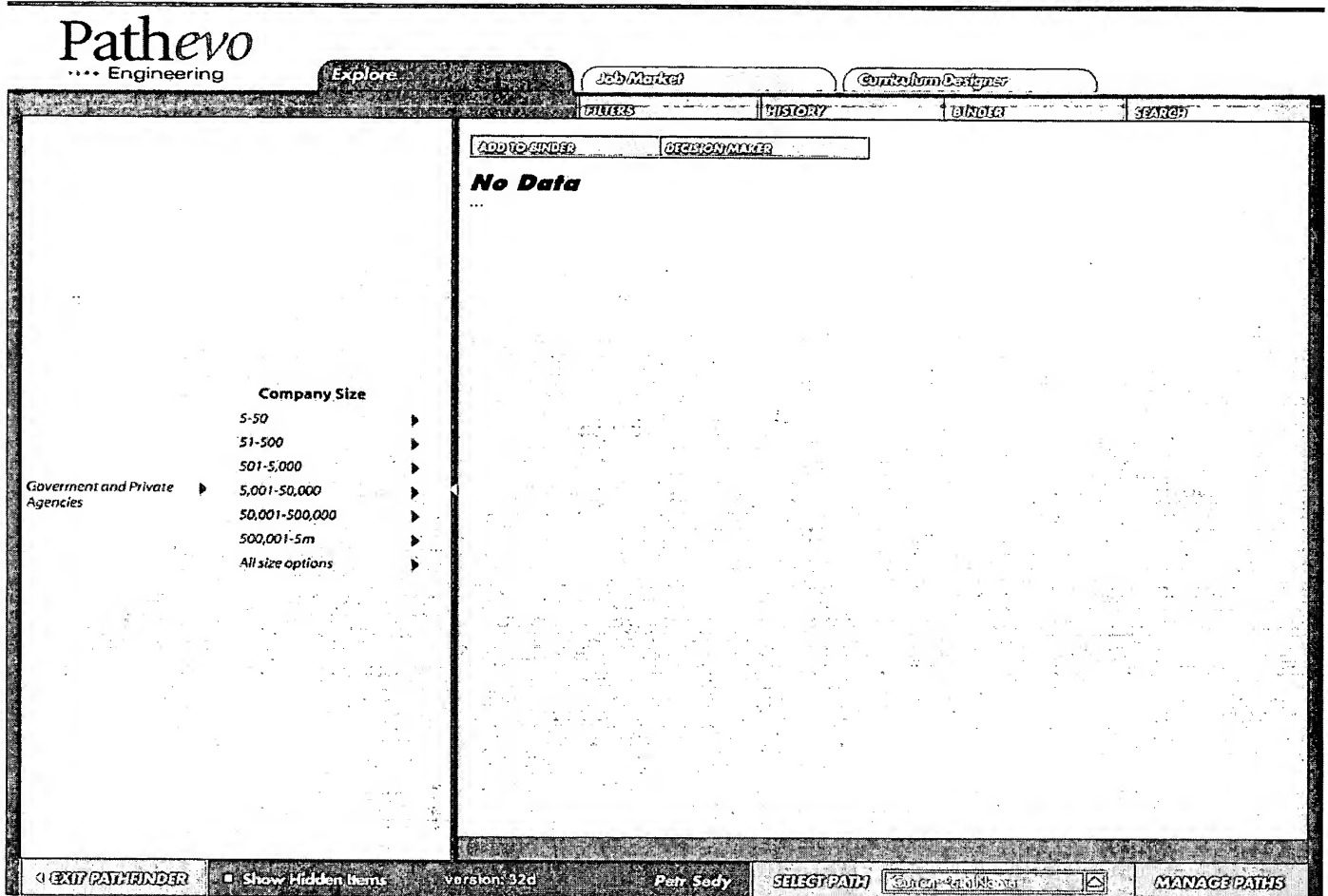


FIGURE 12E

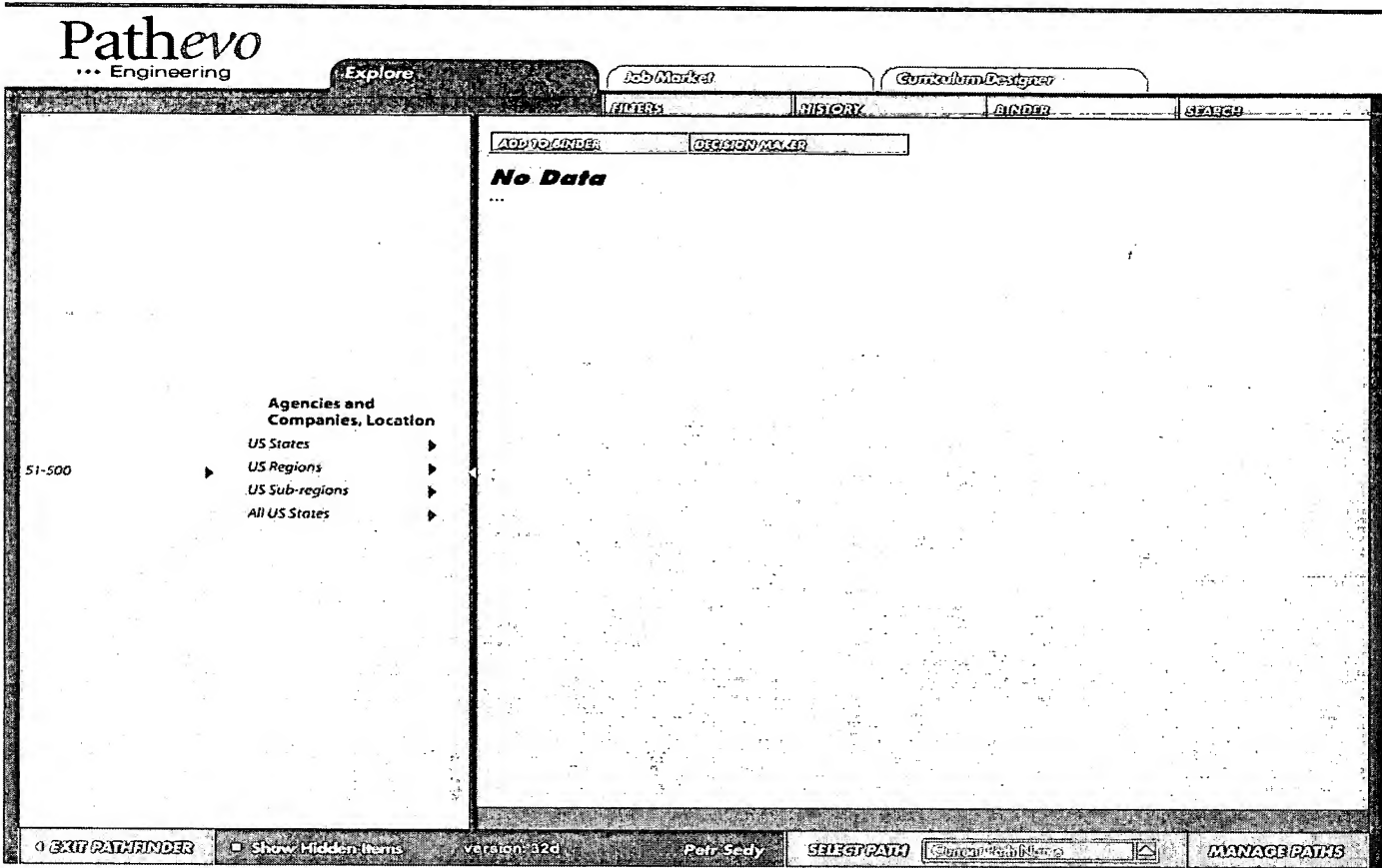
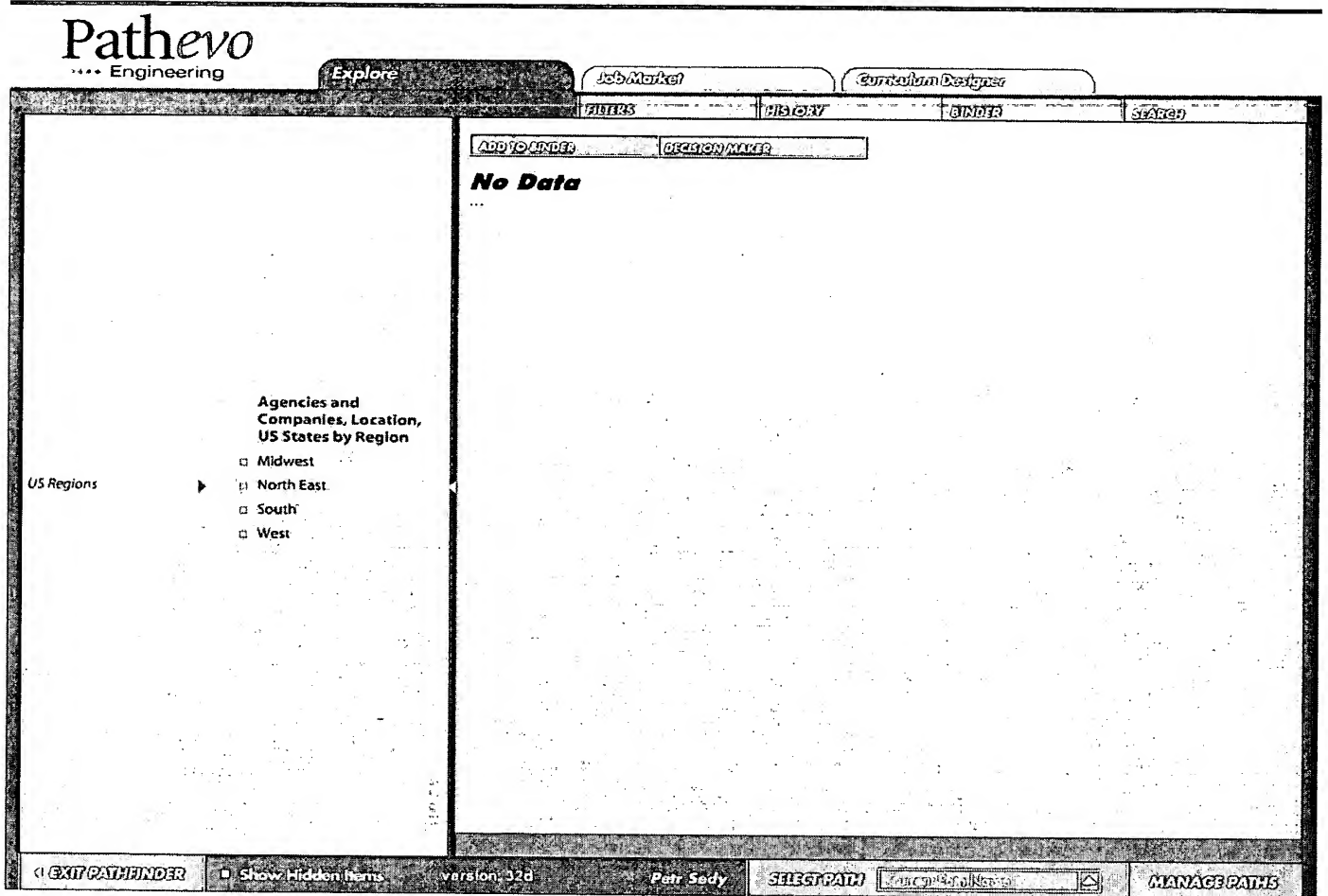


FIGURE 12F





**FIGURE 12G**

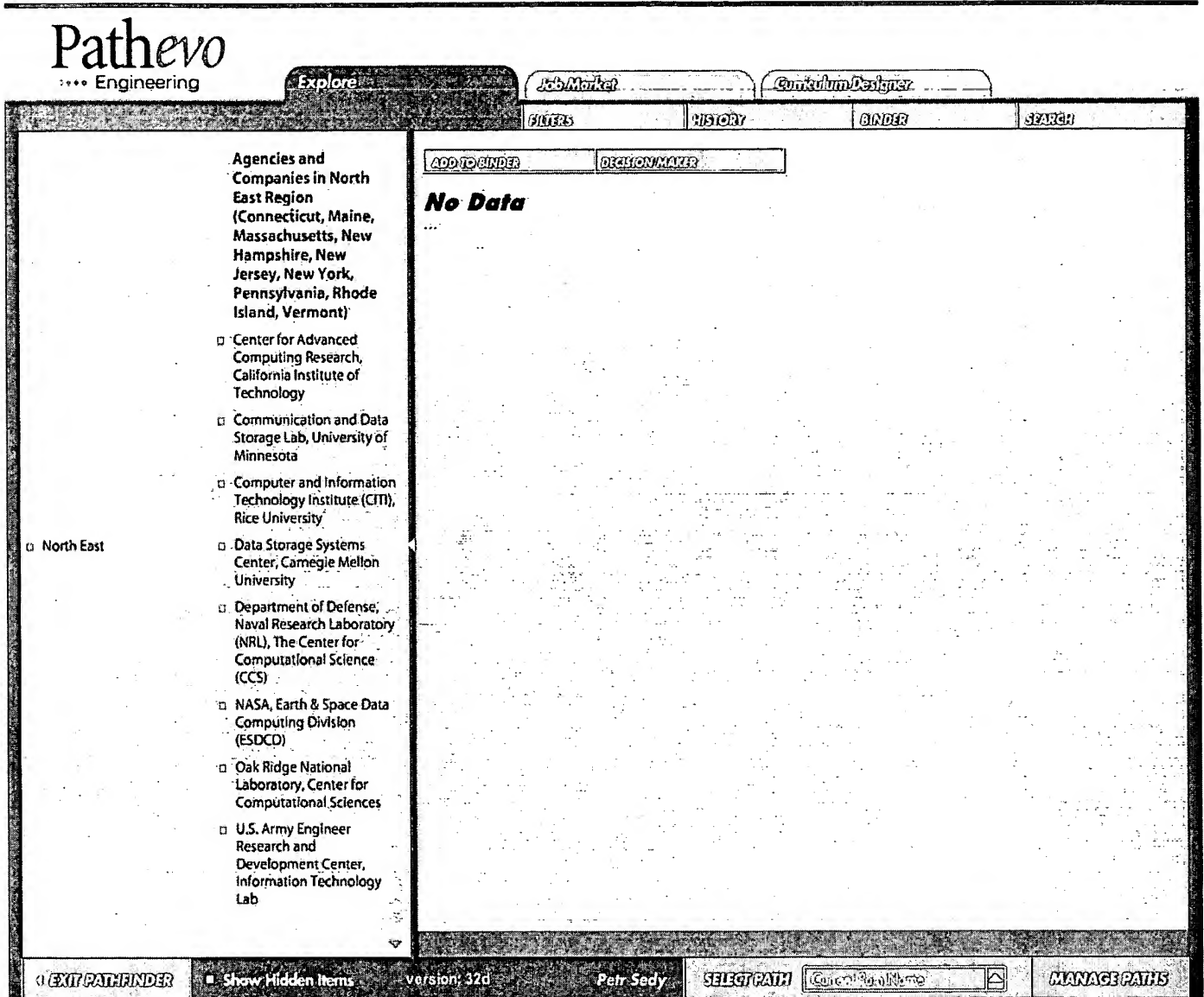


FIGURE 12H

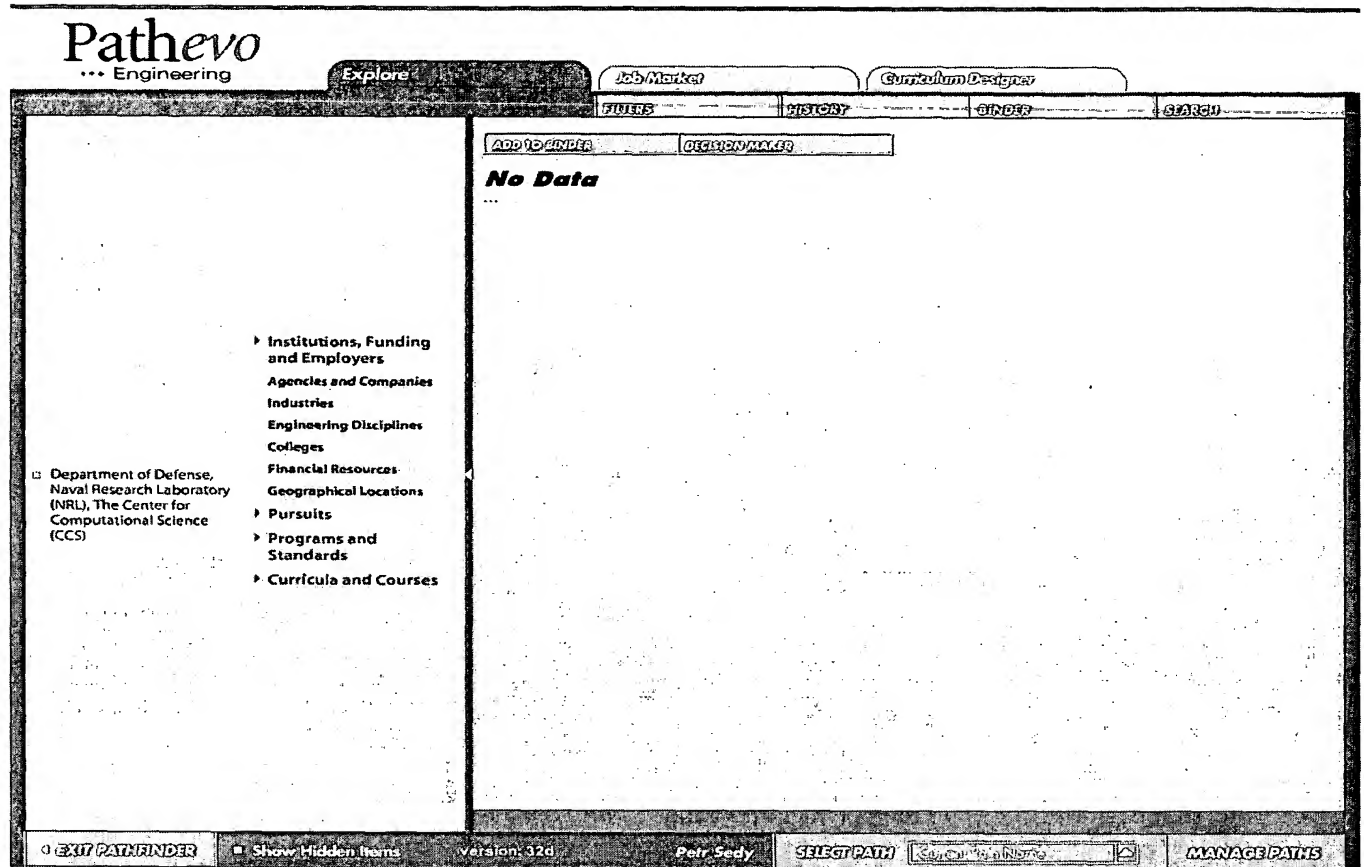
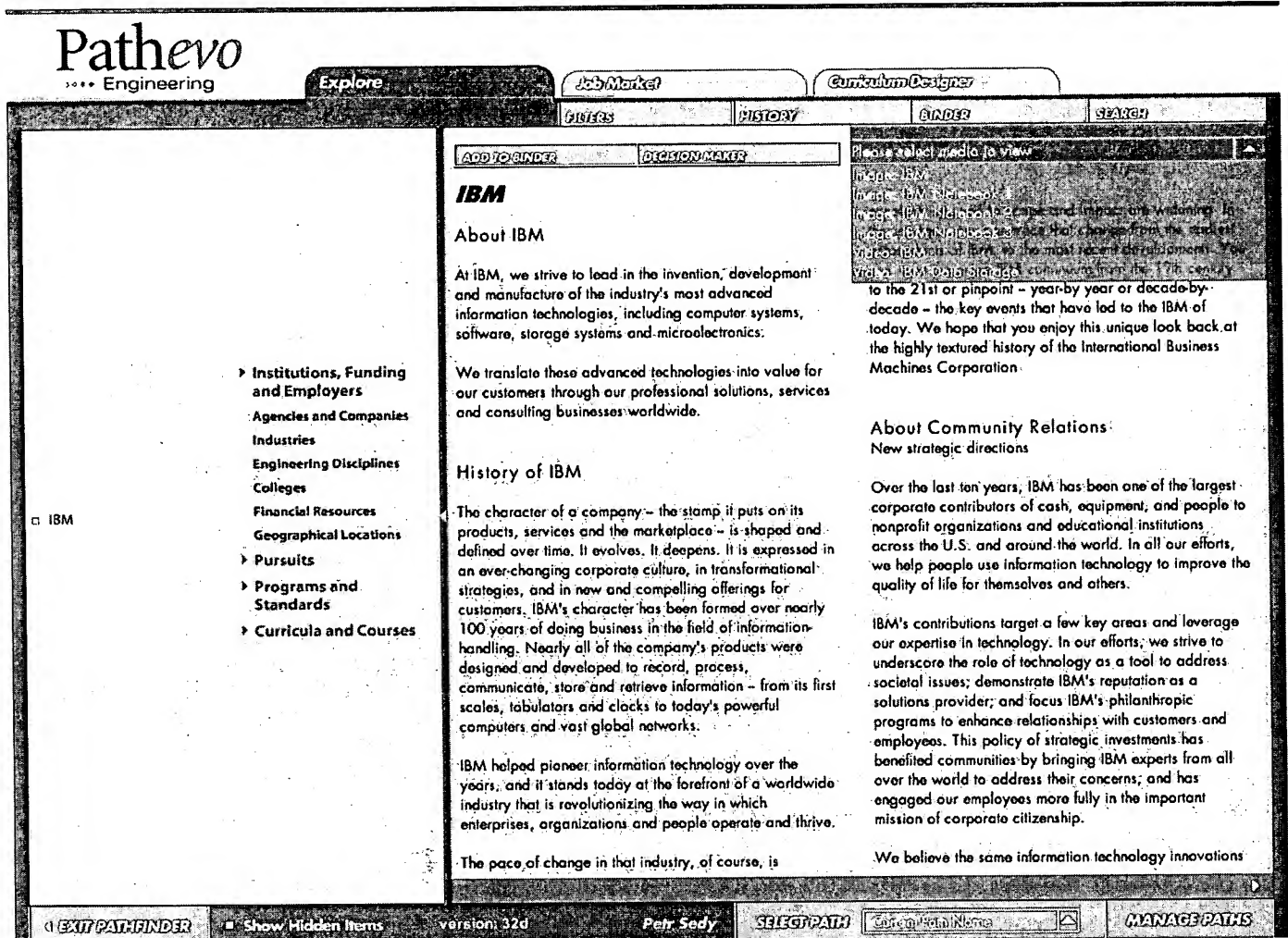


FIGURE 12I



**FIGURE 12J**

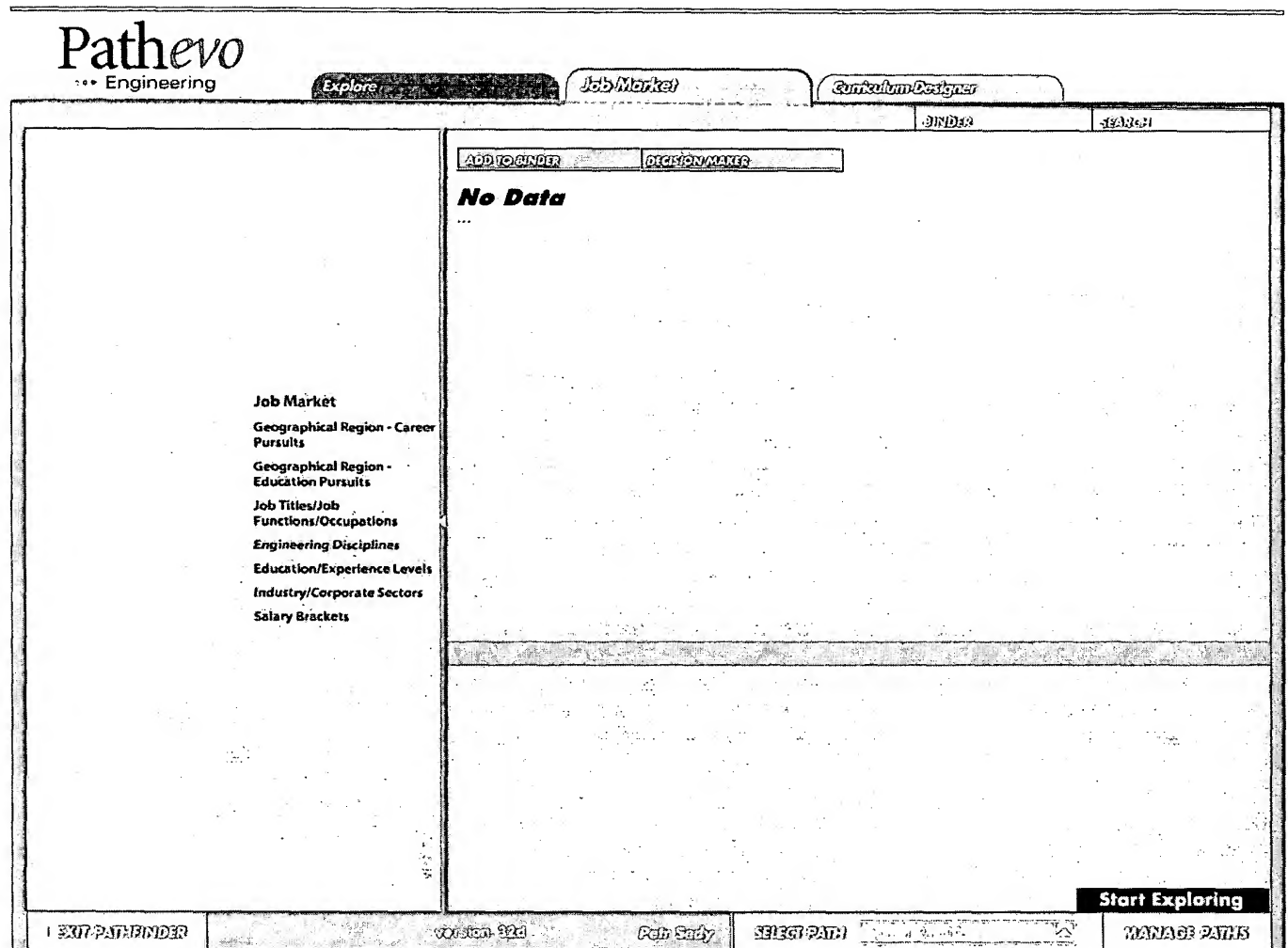


FIGURE 12K

Pathevo  
\*\*\* Engineering

ExploreJob MarketCurriculum Designer

BINDERSEARCH

Salary Brackets

Salary Brackets

☐ \$0-\$10K

☐ \$11K-\$20K

☐ \$21K-\$30K

☐ \$31K-\$40K

☐ \$41K-\$50K

☐ \$51K-\$60K

☐ \$61K-\$70K

☐ \$71K-\$80K

☐ \$81K-\$90K

☐ \$91K-\$100K

☐ \$101K-\$125K

☐ \$126K-\$150K

☐ \$151K-\$175K

☐ \$176K-\$200K

☐ \$201K-\$225K

☐ \$226K-\$250K

☐ \$251K-\$300K

☐ \$301K-\$350K

☐ \$351K-\$400K

☐ \$401K-\$450K

☐ \$451K-\$500K

☐ \$501K-\$600K

☐ \$601K-\$700K

☐ \$701K-\$800K

☐ \$801K-\$900K

☐ \$901K-\$999K

ADD TO BINDERDECISION MAKER

No Data

EXIT PATHFINDER

Version 8.2d

Peter Gady

SELECT PATH

MANAGE PATHS

Start Exploring

FIGURE 12L

Pathevo

... Engineering

Explore

Job Market

Curriculum Designer

ENTER

SEARCH

ADD TO BINDER

DECISION MAKER

**No Data**  
...

Job Market

Geographical Region - Career Pursuits

Geographical Region - Education Pursuits

Job Titles/Job Functions/Occupations

Engineering Disciplines

Education/Experience Levels

Industry/Corporate Sectors

□ \$61K-\$70K

Salary Brackets : \$61K-\$70K.

EXIT PATHFINDER

Version 3.0a

Ref Study

SELECT PATH

Start Exploring

MANAGE PATHS

**FIGURE 12M**

**Pathevo**  
 ... Engineering

Explore
 Job Market
 Curriculum Designer

FINDER
 SEARCH

ADD TO FINDER
 OPTION/MATCH

**No Data**  
 ...

Salary Brackets : \$61K-\$70K

Industry/Corporate Sectors
 

- ☐ Advertising, Marketing
- ☐ Aerospace
- ☐ Agriculture
- ☐ Apparel
- ☐ Automotive Retailing & Services
- ☐ Biotechnology
- ☐ Building Materials, Glass
- ☐ Business Services
- ☐ Communications
- ☐ Computer Equipment & Services
- ☐ Construction and Contractors
- ☐ Consumer Electronics and Household Products
- ☐ Defense/Military
- ☐ Diversified Outsourcing Services
- ☐ Drug Manufacturing
- ☐ Electronics, Electrical Equipment
- ☐ Energy
- ☐ Engineering Consulting
- ☐ Entertainment
- ☐ Environmental Products and Services
- ☐ Financial Institutions
- ☐ Food & Beverages
- ☐ Foundations and Non-Profits

Industry/Corporate Sectors

EXIT PATHFINDER
 VERSION 3.0d
 Path Eady
 SELECT PATH
 MANAGE PATHS

Start Exploring

**FIGURE 12N**

Pathevo  
\*\*\* Engineering

ExploreJob MarketCurriculum Designer

JINDERSEARCH

ADD TO BINDERDECISION MAKER

No Data  
...

Job Market

Geographical Region - Career Pursuits

Geographical Region - Education Pursuits

Job Titles/Job Functions/Occupations

Engineering Disciplines

Education/Experience Levels

Drug Manufacturing

Industry/Corporate Sectors : Drug Manufacturing

Salary Brackets : \$61K-\$70K

Start Exploring

EXIT PATHFINDER

VERSION: 01.0

Path Savvy

SELECT PATH

MANAGE PATHS



**FIGURE 120**

Pathevo

Engineering

Explore

Job Market

Curriculum Designer

BINDER

SEARCH

ADD TO BINDER

DECISION MAKER

No Data

...

Education/Experience Levels

Education/Experience Levels

High School Diploma with 1 year Technical Experience (Technician Entry Level)

High School Diploma with 10 yrs general experience (Senior Technician Level)

Bachelor's Degree with Internship Experience (Professional Entry Level)

Bachelor's Degree with 5 Yrs. General Experience (Professional Senior Level)

Master's Degree with 10 years Management Experience (Professional Managerial Level)

Doctoral Degree with 6 years Technical Experience (Professional Senior Managerial Level)

Industry/Corporate Sectors : Drug Manufacturing

Salary Brackets : \$61K-\$70K

Start Exploring

EXIT PATHFINDER

Current View

Get Info

SELECT PATH

MANAGE PATHS

**FIGURE 12P**

**Pathevo**  
 ... Engineering

Explore
 Job Market
 Curriculum Designer

BINDER
 SEARCH

ADD TO BINDER
 DECISION MAKER

**No Data**  
 ...

Job Market  
 Geographical Region - Career Pursuits  
 Geographical Region - Education Pursuits  
 Job Titles/Job Functions/Occupations  
 Engineering Disciplines

Education/Experience Levels : Bachelor's Degree with Internship Experience (Professional Entry Level)  
 Industry/Corporate Sectors : Drug Manufacturing  
 Salary Brackets : \$61K-\$70K

Start Exploring

EXIT PATHFINDER

WORK SET

Add Entry

SELECT PATH

MANAGE PATHS

FIGURE 12Q

Pathevo  
... Engineering

Explore

Job Market

Curriculum Designer

Geographical Region - Career Pursuits

US Regions

☐ Midwest

☐ North East

☐ South

☐ West

All

ADD TO BINDER

OFFERION/MAKER

**No Data**  
...

Education/Experience Levels : Bachelor's Degree with Internship Experience (Professional Entry Level)  
Industry/Corporate Sectors : Drug Manufacturing  
Salary Brackets : \$61K-\$70K

Start Exploring

EXIT PATHFINDER

version: 82d

For Study

SELECT PATH

MANAGE PATHS

**FIGURE 12R**

Pathevo  
\*\*\* Engineering

ExploreJob MarketCurriculum Designer

BINDERSEARCH

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DECISION MAKER

**No Data**  
...

US Sub-Regions in North East Region

☐ North East

☐ Middle Atlantic

☐ New England

All

Geographical Region : Career Pursuits :

Education/Experience Levels : Bachelor's Degree with Internship Experience (Professional Entry Level)

Industry/Corporate Sectors : Drug Manufacturing

Salary Brackets : \$61K-\$70K

Start Exploring

EXIT PATHFINDER

Version 3.0.2

Path Sedy

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MANAGE PATHS

**FIGURE 12S**

Pathevo  
... Engineering

ExploreJob MarketCurriculum Designer

BINDERSEARCH

ADD TO BINDER

DISCUSS/COMMENT

**No Data**  
...

☐ New England

US States in New England Sub-Region

☐ Connecticut

☐ Maine

☐ Massachusetts

☐ New Hampshire

☐ Rhode Island

☐ Vermont

All

Geographical Region - Career Pursuits:  
Education/Experience Levels : Bachelor's Degree with Internship Experience  
(Professional Entry Level)  
Industry/Corporate Sectors : Drug Manufacturing  
Salary Brackets : \$61K-\$70K.

Start Exploring

EXIT PATHFINDER

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Per Sady

SELECT PATH

MANAGE PATHS

FIGURE 12T

# Pathevo

\*\*\* Engineering

Explore

Job Market

Consultant Designer

BINDER

SEARCH

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DECISION MAKER

Please select a model to view

## Massachusetts

Massachusetts

From the wild seacoast that reached out to the Pilgrims to the stone walls that sheltered the Minutemen in 1775, Massachusetts has been the site of some of the defining moments in U.S. history. Not surprisingly, most visitors to the state go looking for things that will fulfill their vision of the past.

Happily, Massachusetts lives up to the preconceptions. Small towns are still chock-full of 200-year-old homes, square-rigged sailing ships still bob in the harbors and some excellent living-history museums let travelers stroll among the same sights, sounds and activities they would have found in centuries past.

This isn't to say that Massachusetts is all postcard views and well-preserved memories. It's as contemporary as any other state, with a thriving arts scene, bustling nightlife and a well-developed transportation system. Taken as a whole, it's an enjoyable combination of what's now and what came before.

Job Market

Job Titles/Job Functions/Occupations

Engineering Disciplines

Geographical Locations : Massachusetts

Geographical Region - Education Pursuits :

Geographical Locations : Pennsylvania

Geographical Region - Career Pursuits :

Education/Experience Levels : Bachelor's Degree with Internship Experience (Professional Entry Level)

Industry/Corporate Sectors : Drug Manufacturing

Salary Brackets : \$61K-\$70K

EXIT PATHFINDER

Version 3.2.0

Path Eddy

SELECT PATH

Start Exploring

MANAGE PATHS

FIGURE 12U

Assessment Set Title

Progress :

The Question Goes in Here. It is very long and involved. But the real question is...  
What is the Question?

Back

Skip

Next

☐ Very Strongly Agree

☐ Strongly Agree

☐ Agree

☐ Neutral / Don't Know

☐ Disagree

☐ Strongly Disagree

☐ Very Strongly Disagree

Clarify Question

Save

Exit